兆华塑品
ZHAOHUA PLASTIC

ZP Technology









Registered ISO 9001:2008

UKAS MANAGEMENT SYSTEMS 127

MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT IAF

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ZP Technology Product Catalog

2020










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1
정사각형 케이스
Quadro Packs



2
캐플러90색상 정사각형
KEPLER 90 Quadro Packs

3
캐플러90색상 WL 타입
KEPLER 90 WL Quadro Packs



4
기하형 케이스
JIHE Quadro Packs





5
기하형 WL타입 케이스
JIHE WL Quadro Packs



6
직사각형 케이스
PP Rectangular Packs

7
직사각형 파손방지용
Clear Rectangular Packs



8
환봉용 원형 케이스
Round Tube for Carbide Rods





9
10개용 포장 필름
10PCS Pack



10
날 보호캡
Protective End Caps

11
트위스트팩
Twist-Pack



12
인써트 박스
Insert Boxes





13
10개용 케이스
Ratchet Mechanism



14
인증서
Certifications



1 정사각형 케이스
Quadro Packs

드릴 및 엔드밀 등 공구 포장용 케이스。
For solid carbide endmills and drills.

튜브의 투명도 85% , 홈 설계로 결합시 안정성 유지。
Excellent 85% visual transparency. Rib designs at tube bottom ensure structural integrity.

샹크홀더는 TPE 재질로 이는 PE 재질보다 질기고 강하며 , 온도변화에 덜 민감 하여 포장이용이 。
샹크홀더 내부 지지부분의 수량을 늘려 보다 안전한 결합력으로 이송시 파손을 방지。
Shankholding base made of TPE, a tough yet more durale material than conventional PE, also less sensive to temperature changes with a good handfeel and easy to package. Number of drill blade slots at the bottom has been doubled, ensuring a more secure grip and eliminating transporation related damages.

샹크홀더와 튜브는 톱니 구조로 되어있습니다。
Shankholding base and outer tube secured with ratchet mechanism, reattachable and reusable.

효과적인 프로세스로 최소 발주 단위의 추적검사가 가능하도록 관리 합니다。
Well controlled manufacturing processes and good MPQ traceability yield great stability of finished goods.

색상 전문 업체와 협업하여 항상 일정한 색상 관리를 합니다。
Collaborations with professional colour grading partner ensures batch to batch color consistency.

약간의 먼지와 기름기가 남아 있을 수 있습니다。
Moisure, dust and grease resistent.

표준색상
Standard Colours

보라 Purple, 빨강 Red, 주황 Orange, 노랑 Yellow, 녹색 Green, 파랑 Blue, 인디고 Indigo, 검정 Black, 흰색 White

표준색상
Special Colours
요청시 협의 후 제작 가능
Can be produced on request

로고 및 기타인쇄
Special Printing
튜브에 마킹 가능 (별도 협의)
Customised tube printing available

규격 Reference No. 샹크경*길이 Dia.*Pack L	적용공구 To Suit Tool Dimension 샹크경Φ Dia.Φ	L≤	최소수량 MOD(Set)	규격 Reference No. 샹크경*길이 Dia.*Pack L	적용공구 To Suit Tool Dimension 샹크경Φ Dia.Φ	L≤	최소수량 MOD(Set)
QP3*70	3	65	500	QP6*65	6	60	500
QP4*70	4	65	500	QP8*65	8	60	500
QP5*70	5	65	500	QP10*70	10	65	200
QP6*70	6	65	500	QP12*70	12	65	200
QP8*70	8	65	500	QP10*90	10	80	200
QP3*85	3	80	500	QP12*90	12	80	200
QP4*85	4	80	500	QP10*115	10	110	200
QP5*85	5	80	500	QP12*115	12	110	200
QP6*85	6	80	500	QP10*130	10	125	200
QP8*85	8	80	500	QP12*130	12	125	200
QP3*105	3	100	500	QP10*155	10	150	200
QP4*105	4	100	500	QP12*155	12	150	200
QP5*105	5	100	500	QP14*80	14	75	100
QP6*105	6	100	500	QP16*80	16	75	100
QP8*105	8	100	500	QP18*80	18	75	100
QP6*155	6	150	200	QP20*80	20	75	100
QP8*155	8	150	200	QP14*110	14	105	100
QP3*55	3	50	500	QP16*110	16	105	100
QP4*55	4	50	500	QP18*110	18	105	100
QP5*55	5	50	500	QP20*110	20	105	100
QP6*55	6	50	500	QP14*160	14	155	100
QP8*55	8	50	500	QP16*160	16	155	100
QP3*65	3	60	500	QP18*160	18	155	100
QP4*65	4	60	500	QP20*160	20	155	100
QP5*65	5	60	500				

단위 Unit: MM

2.35mm, 3.175mm, 7mm,9mm, 11mm은 일부 색상으로 가능 합니다。
Special sizes such as 2.35mm, 3.175mm, 7mm, 9mm, 11mm are available in stock.

포장 : 샹크홀더와 튜브 별도 포장
PACKING: Shankholding base and outer tubes are packed separately.



2 캐플러90색상 정사각형 케이스

KEPLER 90 Quadro Packs

드릴 및 엔드밀 등 공구 포장용 케이스。
For solid carbide endmills and drills.

튜브의 투명도 85% , 홈 설계로 결합시 안정성 유지。
Excellent 85% visual transparency. Rib designs at tube bottom ensure structural integrity.

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샹크홀더 내부 지지부분의 수량을 늘려 보다 안전한 결합력으로 이송시 파손을 방지。
Shankholding base made of TPE, a tough yet more durale material than conventional PE, also less sensive to temperature changes with a good handfeel and easy to package. Number of drill blade slots at the bottom has been doubled, ensuring a more secure grip and eliminating transporation related damages.

샹크홀더와 튜브는 톱니 구조로 되어있습니다。
Shankholding base and outer tube secured with ratchet mechanism, reattachable and reusable.

효과적인 프로세스로 최소 발주 단위의 추적검사가 가능하도록 관리 합니다。
Well controlled manufacturing processes and good MPQ traceability yield great stability of finished goods.

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Collaborations with professional colour grading partner ensures batch to batch color consistency.

약간의 먼지와 기름기가 남아 있을 수 있습니다。
Moisure, dust and grease resistent.

표준색상
Standard Colours

겨자색 WA	실버 SI	체리 CH	아이스 블루 ICE	블루 블랙 STAR	자몽색 OR	황토색 TI	연보라 LI

표준색상
Special Colours
요청시 협의 후 제작 가능
Can be produced on request

로고 및 기타인쇄
Special Printing
튜브에 마킹 가능 (별도 협의)
Customised tube printing available

규격 Reference No. 샹크경*길이 Dia.*Pack L	적용공구 To Suit Tool Dimension 샹크경Φ Dia.Φ	L≤	최소수량 MOD(Set)	규격 Reference No. 샹크경*길이 Dia.*Pack L	적용공구 To Suit Tool Dimension 샹크경Φ Dia.Φ	L≤	최소수량 MOD(Set)
KP3*70	3	65	500	KP6*65	6	60	500
KP4*70	4	65	500	KP8*65	8	60	500
KP5*70	5	65	500	KP10*70	10	65	200
KP6*70	6	65	500	KP12*70	12	65	200
KP8*70	8	65	500	KP10*90	10	80	200
KP3*85	3	80	500	KP12*90	12	80	200
KP4*85	4	80	500	KP10*115	10	110	200
KP5*85	5	80	500	KP12*115	12	110	200
KP6*85	6	80	500	KP10*130	10	125	200
KP8*85	8	80	500	KP12*130	12	125	200
KP3*105	3	100	500	KP10*155	10	150	200
KP4*105	4	100	500	KP12*155	12	150	200
KP5*105	5	100	500	KP14*80	14	75	100
KP6*105	6	100	500	KP16*80	16	75	100
KP8*105	8	100	500	KP18*80	18	75	100
KP6*155	6	150	200	KP20*80	20	75	100
KP8*155	8	150	200	KP14*110	14	105	100
KP3*55	3	50	500	KP16*110	16	105	100
KP4*55	4	50	500	KP18*110	18	105	100
KP5*55	5	50	500	KP20*110	20	105	100
KP6*55	6	50	500	KP14*160	14	155	100
KP8*55	8	50	500	KP16*160	16	155	100
KP3*65	3	60	500	KP18*160	18	155	100
KP4*65	4	60	500	KP20*160	20	155	100
KP5*65	5	60	500				

단위 Unit: MM

포장 : 샹크홀더와 튜브 별도 포장
PACKING: Shankholding base and outer tubes are packed separately.



3

캐플러90색상 WL 타입
KEPLER 90 WL Quadro Packs

드릴 및 엔드밀 등 공구 포장용 케이스 。
For solid carbide endmills and drills.

튜브에 레이저 마킹이 가능하며 제품정보를 마킹하여 별도의 라벨 스티커 없이 포장 가능。
The outer tube with high quality laser mark function , which can directly laser product information on tube as needed, and replace label.

샹크홀더는 TPE 재질로 이는 PE 재질보다 질기고 강하며 , 온도변화에 덜 민감하여 포장이 용이。
샹크홀더 내부의 지지부분의 수량을 늘려 보다 안전한 결합력으로 이송시 파손을 방지。
Shankholding base made of TPE, a tough yet more durale material than conventional PE, also less sensive to temperature changes with a good handfeel and easy to package. Number of drill blade slots at the bottom has been doubled, ensuring a more secure grip and eliminating transporation related damages.



샹크홀더와 튜브는 톱니 구조로 되어 있습니다。
Shankholding base and outer tube secured with ratchet mechanism, reattachable and reusable.

효과적인 관리 프로세스로 최소 발주 단위의 추적검사가 가능하도록 관리 합니다。
Well controlled manufacturing processes and good MPQ traceability yield great stability of finished goods.

색상 전문 업체와 협업하여 항상 일정한 색상 관리를 합니다。
Collaborations with professional colour grading partner ensures batch to batch color consistency.

약간의 먼지와 기름기가 남아 있을 수 있습니다。
Moisure, dust and grease resistent.

표준색상
Standard Colours

겨자색	실버	체리	아이스 블루	블루 블랙	자몽색	황토색	연보라
WA	SI	CH	ICE	STAR	OR	TI	LI

표준색상
Special Colours
요청시 협의 후 제작 가능
Can be produced on request

로고 및 기타인쇄
Special Printing
튜브에 마킹 가능 (별도 협의)
Customised tube printing available

규격 Reference No.	적용공구 To Suit Tool Dimension		최소수량 MOD(Set)	규격 Reference No.	적용공구 To Suit Tool Dimension		최소수량 MOD(Set)
샹크경*길이 Dia.*Pack L	샹크경Φ Dia.Φ	L≤		샹크경*길이 Dia.*Pack L	샹크경Φ Dia.Φ	L≤	
KP3*70-WL	3	65	500	KP6*65-WL	6	60	500
KP4*70-WL	4	65	500	KP8*65-WL	8	60	500
KP5*70-WL	5	65	500	KP10*70-WL	10	65	100
KP6*70-WL	6	65	500	KP12*70-WL	12	65	200
KP8*70-WL	8	65	500	KP10*90-WL	10	80	200
KP3*85-WL	3	80	500	KP12*90-WL	12	80	200
KP4*85-WL	4	80	500	KP10*115-WL	10	110	200
KP5*85-WL	5	80	500	KP12*115-WL	12	110	200
KP6*85-WL	6	80	500	KP10*130-WL	10	125	200
KP8*85-WL	8	80	500	KP12*130-WL	12	125	200
KP3*105-WL	3	100	500	KP10*155-WL	10	150	100
KP4*105-WL	4	100	500	KP12*155-WL	12	150	100
KP5*105-WL	5	100	500	KP14*80-WL	14	75	100
KP6*105-WL	6	100	500	KP16*80-WL	16	75	100
KP8*105-WL	8	100	500	KP18*80-WL	18	75	100
KP6*155-WL	6	150	200	KP20*80-WL	20	75	100
KP8*155-WL	8	150	200	KP14*110-WL	14	105	100
KP3*55-WL	3	50	500	KP16*110-WL	16	105	100
KP4*55-WL	4	50	500	KP18*110-WL	18	105	100
KP5*55-WL	5	50	500	KP20*110-WL	20	105	100
KP6*55-WL	6	50	500	KP14*160-WL	14	155	100
KP8*55-WL	8	50	500	KP16*160-WL	16	155	100
KP3*65-WL	3	60	500	KP18*160-WL	18	155	100
KP4*65-WL	4	60	500	KP20*160-WL	20	155	100
KP5*65-WL	5	60	500				

단위 Unit: MM

포장 : 샹크홀더와 튜브 별도 포장
PACKING: Shankholding base and outer tubes are packed separately.



4 기하형 정사각형 케이스

JIHE Quadro Packs

드릴 및 엔드밀 등 공구 포장용 케이스。
For solid carbide endmills and drills.

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Excellent 85% visual transparency. Rib designs at tube bottom ensure structural integrity.

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샹크홀더 내부 지지부분의 수량을 늘려 보다 안전한 결합력으로 이송시 파손을 방지。
Shankholding base made of TPE, a tough yet more durale material than conventional PE, also less sensive to temperature changes with a good handfeel and easy to package. Number of drill blade slots at the bottom has been doubled, ensuring a more secure grip and eliminating transporation related damages.

샹크홀더와 튜브는 톱니 구조로 되어있습니다。
Shankholding base and outer tube secured with ratchet mechanism, reattachable and reusable.

효과적인 프로세스로 최소 발주 단위의 추적검사가 가능하도록 관리 합니다。
Well controlled manufacturing processes and good MPQ traceability yield great stability of finished goods.

색상 전문 업체와 협업하여 항상 일정한 색상 관리를 합니다。
Collaborations with professional colour grading partner ensures batch to batch color consistency.

약간의 먼지와 기름기가 남아 있을 수 있습니다。
Moisure, dust and grease resistent.

표준색상
Standard Colours

겨자색 WA | 실버 SI | 체리 CH | 아이스 블루 ICE | 블루 블랙 STAR | 자몽색 OR | 황토색 TI | 연보라 LI

표준색상
Special Colours
요청시 협의 후 제작 가능
Can be produced on request

로고 및 기타인쇄
Special Printing
튜브에 마킹 가능 (별도 협의)
Customised tube printing available

규격 Reference No. 샹크경*길이 Dia.*Pack L	적용공구 To Suit Tool Dimension 샹크경Φ Dia.Φ	L≤	최소수량 MOD(Set)	규격 Reference No. 샹크경*길이 Dia.*Pack L	적용공구 To Suit Tool Dimension 샹크경Φ Dia.Φ	L≤	최소수량 MOD(Set)
JH3*70	3	65	500	JH8*90	8	80	200
JH4*70	4	65	500	JH10*90	10	80	200
JH5*70	5	65	500	JH12*90	12	80	200
JH6*70	6	65	500	JH8*115	8	110	200
JH3*85	3	80	500	JH10*115	10	110	200
JH4*85	4	80	500	JH12*115	12	110	200
JH5*85	5	80	500	JH8*130	8	125	200
JH6*85	6	80	500	JH10*130	10	125	200
JH3*105	3	100	500	JH12*130	12	125	200
JH4*105	4	100	500	JH10*155	10	150	200
JH5*105	5	100	500	JH12*155	12	150	200
JH6*105	6	100	500	JH14*80	14	75	100
JH6*155	6	150	200	JH16*80	16	75	100
JH8*155	8	150	200	JH18*80	18	75	100
JH3*55	3	50	500	JH20*80	20	75	100
JH4*55	4	50	500	JH14*110	14	105	100
JH5*55	5	50	500	JH16*110	16	105	100
JH6*55	6	50	500	JH18*110	18	105	100
JH3*65	3	60	500	JH20*110	20	105	100
JH4*65	4	60	500	JH14*160	14	155	100
JH5*65	5	60	500	JH16*160	16	155	100
JH6*65	6	60	500	JH18*160	18	155	100
JH8*70	8	65	200	JH20*160	20	155	100
JH10*70	10	65	200				
JH12*70	12	65	200				

단위 Unit: MM

포장 : 샹크홀더와 튜브 별도 포장
PACKING: Shankholding base and outer tubes are packed separately.



5

기하형 WL 타입
JIHE WL Quadro Packs

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For solid carbide endmills and drills.

튜브에 레이저 마킹이 가능하며 제품정보를 마킹하여 별도의 라벨 스티커 없이 포장 가능。
The outer tube with high quality laser mark function , which can directly laser product information on tube as needed, and replace label.

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샹크홀더 내부의 지지부분의 수량을 늘려 보다 안전한 결합력으로 이송시 파손을 방지。
Shankholding base made of TPE, a tough yet more durale material than conventional PE, also less sensive to temperature changes with a good handfeel and easy to package. Number of drill blade slots at the bottom has been doubled, ensuring a more secure grip and eliminating transporation related damages.



샹크홀더와 튜브는 톱니 구조로 되어 있습니다。
Shankholding base and outer tube secured with ratchet mechanism, reattachable and reusable.

효과적인 관리 프로세스로 최소 발주 단위의 추적검사가 가능하도록 관리 합니다。
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Moisure, dust and grease resistent.

표준색상
Standard Colours

겨자색 WA | 실버 SI | 체리 CH | 아이스 블루 ICE | 블루 블랙 STAR | 자몽색 OR | 황토색 TI | 연보라 LI

표준색상
Special Colours
요청시 협의 후 제작 가능
Can be produced on request

로고 및 기타인쇄
Special Printing
튜브에 마킹 가능 (별도 협의)
Customised tube printing available

규격 Reference No. 샹크경*길이 Dia.*Pack L	적용공구 To Suit Tool Dimension 샹크경Φ Dia.Φ	L≤	최소수량 MOD(Set)	규격 Reference No. 샹크경*길이 Dia.*Pack L	적용공구 To Suit Tool Dimension 샹크경Φ Dia.Φ	L≤	최소수량 MOD(Set)
JH3*70-WL	3	65	500	JH8*90-WL	8	80	200
JH4*70-WL	4	65	500	JH10*90-WL	10	80	200
JH5*70-WL	5	65	500	JH12*90-WL	12	80	200
JH6*70-WL	6	65	500	JH8*115-WL	8	110	200
JH3*85-WL	3	80	500	JH10*115-WL	10	110	200
JH4*85-WL	4	80	500	JH12*115-WL	12	110	200
JH5*85-WL	5	80	500	JH8*130-WL	8	125	200
JH6*85-WL	6	80	500	JH10*130-WL	10	125	200
JH3*105-WL	3	100	500	JH12*130-WL	12	125	200
JH4*105-WL	4	100	500	JH10*155-WL	10	150	200
JH5*105-WL	5	100	500	JH12*155-WL	12	150	200
JH6*105-WL	6	100	500	JH14*80-WL	14	75	100
JH6*155-WL	6	150	200	JH16*80-WL	16	75	100
JH8*155-WL	8	150	200	JH18*80-WL	18	75	100
JH3*55-WL	3	50	500	JH20*80-WL	20	75	100
JH4*55-WL	4	50	500	JH14*110-WL	14	105	100
JH5*55-WL	5	50	500	JH16*110-WL	16	105	100
JH6*55-WL	6	50	500	JH18*110-WL	18	105	100
JH3*65-WL	3	60	500	JH20*110-WL	20	105	100
JH4*65-WL	4	60	500	JH14*160-WL	14	155	100
JH5*65-WL	5	60	500	JH16*160-WL	16	155	100
JH6*65-WL	6	60	500	JH18*160-WL	18	155	100
JH8*70-WL	8	65	200	JH20*160-WL	20	155	100
JH10*70-WL	10	65	200				
JH12*70-WL	12	65	200				

단위 Unit: MM

포장 : 샹크홀더와 튜브 별도 포장
PACKING: Shankholding base and outer tubes are packed separately.



6

직사각형 케이스
PP Rectangular Packs

드릴 및 엔드밀 등 공구 포장용 케이스。
For solid carbide endmills and drills.

튜브의 투명도 85% , 홈 설계로 결합시 안정성 유지。
Excellent 85% visual transparency. Rib designs at tube bottom ensure structural integrity.

샹크홀더는 TPE 재질로 이는 PE 재질보다 질기고 강하며 , 온도변화에 덜 민감 하여 포장이용이。
샹크홀더 내부 지지부분의 수량을 늘려 보다 안전한 결합력으로 이송시 파손을 방지。
Shankholding base made of TPE, a tough yet more durale material than conventional PE, also less sensive to temperature changes with a good handfeel and easy to package. Number of drill blade slots at the bottom has been doubled, ensuring a more secure grip and eliminating transporation related damages.

샹크홀더와 튜브는 톱니 구조로 되어있습니다。
Shankholding base and outer tube secured with ratchet mechanism, reattachable and reusable.

효과적인 프로세스로 최소 발주 단위의 추적검사가 가능하도록 관리 합니다。
Well controlled manufacturing processes and good MPQ traceability yield great stability of finished goods.

색상 전문 업체와 협업하여 항상 일정한 색상 관리를 합니다。
Collaborations with professional colour grading partner ensures batch to batch color consistency.

약간의 먼지와 기름기가 남아 있을 수 있습니다。
Moisure, dust and grease resistent.

표준색상
Standard Colours

보라 Purple, 빨강 Red, 주황 Orange, 노랑 Yellow, 녹색 Green, 파랑 Blue, 인디고 Indigo, 검정 Black, 흰색 White

표준색상
Special Colours

요청시 협의 후 제작 가능
Can be produced on request

로고 및 기타인쇄
Special Printing

튜브에 마킹 가능 (별도 협의)
Customised tube printing available

규격 Reference No. 샹크경*길이 Dia.*Pack L	적용공구 To Suit Tool Dimension 샹크경Φ Dia.Φ	L≤	최소수량 MOD(Set)	규격 Reference No. 샹크경*길이 Dia.*Pack L	적용공구 To Suit Tool Dimension 샹크경Φ Dia.Φ	L≤	최소수량 MOD(Set)
PR3*70	3	65	500	PR10*95	10	90	200
PR4*70	4	65	500	PR12*95	12	90	200
PR5*70	5	65	500	PR10*125	10	120	200
PR6*70	6	65	500	PR12*125	12	120	200
PR3*90	3	85	500	PR10*160	10	155	200
PR4*90	4	85	500	PR12*160	12	155	200
PR5*90	5	85	500	PR14*135	14	130	100
PR6*90	6	85	500	PR16*135	16	130	100
PR3*110	3	105	500	PR18*135	18	130	100
PR4*110	4	105	500	PR20*135	20	130	100
PR5*110	5	105	500	PR14*165	14	160	100
PR6*110	6	105	500	PR16*165	16	160	100
PR6*160	6	155	500	PR18*165	18	160	100
PR8*80	8	75	500	PR20*165	20	160	100
PR8*90	8	85	500				
PR8*120	8	115	200				
PR8*160	8	155	200				

단위 Unit: MM

포장 : 샹크홀더와 튜브 별도 포장
PACKING: Shankholding base and outer tubes are packed separately.



7

직사각형 파손방지 케이스
Transparent Rectangular Packs

드릴 및 엔드밀 공구 포장용 케이스。
For solid carbide endmills and drills.

최소 92% 투명도로 시각적으로 유리와 같은 느낌 . 보다 자세하게 포장된 공구를 보여줄수 있음。
Min. 92% luminouseness, same transparence as glass in visual. The details of tool are well shown while packed inside.

훌륭한 충격보호로 공구의 파손이 없도록 합니다。
Excellent shock resistance ensures ensures that the tools will never break.

최저 사용 가능온도는 -30도 입니다。
Cold temperature rated to -30C.

샹크홀더와 튜브는 톱니형태로 결합하여 반복 사용이 가능 합니다。
Shankholding base and outer tube secured with ratchet mechanism, reattachable and reusable.

효과적인 관리 프로세스로 최소 발주 단위의 추적검사가 가능하도록 관리합니다。
Well controlled manufacturing processes and good MPQ traceability yield great stability of finished goods.

약간의 먼지와 기름기가 남아 있을 수 있습니다。
Moisure, dust and grease resistent.

표준색상
Standard Colours

보라 Purple, 빨강 Red, 주황 Orange, 노랑 Yellow, 녹색 Green, 파랑 Blue, 인디고 Indigo, 검정 Black, 흰색 White

표준색상
Special Colours
요청시 협의 후 제작 가능
Can be produced on request

로고 및 기타인쇄
Special Printing
튜브에 마킹 가능 (별도 협의)
Customised tube printing available

규격 Reference No. 샹크경*길이 Dia.*Pack L	적용공구 To Suit Tool Dimension 샹크경Φ Dia.Φ	L≤	최소수량 MOD(Set)	규격 Reference No. 샹크경*길이 Dia.*Pack L	적용공구 To Suit Tool Dimension 샹크경Φ Dia.Φ	L≤	최소수량 MOD(Set)
TR3*70	3	65	500	TR10*95	10	90	200
TR4*70	4	65	500	TR12*95	12	90	200
TR5*70	5	65	500	TR10*125	10	120	200
TR6*70	6	65	500	TR12*125	12	120	200
TR3*90	3	85	500	TR10*160	10	155	200
TR4*90	4	85	500	TR12*160	12	155	200
TR5*90	5	85	500	TR14*135	14	130	100
TR6*90	6	85	500	TR16*135	16	130	100
TR3*110	3	105	500	TR18*135	18	130	100
TR4*110	4	105	500	TR20*135	20	130	100
TR5*110	5	105	500	TR14*165	14	160	100
TR6*110	6	105	500	TR16*165	16	160	100
TR6*160	6	155	500	TR18*165	18	160	100
TR8*80	8	75	500	TR20*165	20	160	100
TR8*90	8	85	500				
TR8*120	8	115	200				
TR8*160	8	155	200				

단위 Unit: MM

포장 : 샹크홀더와 튜브 별도 포장
PACKING: Shankholding base and outer tubes are packed separately.



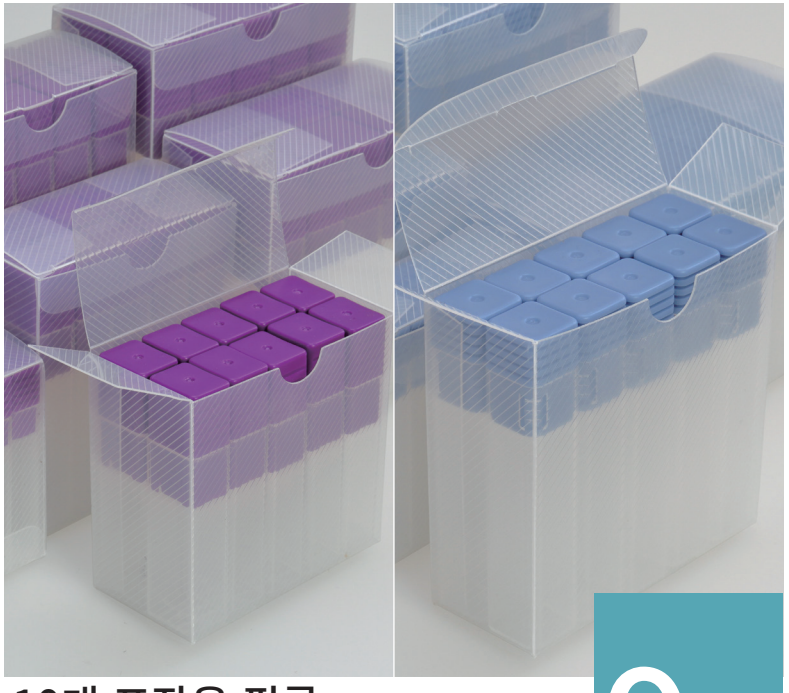
8

환봉용 원형 케이스
Round Tube for Carbide Rods

원형튜브는 투명PVC로 제작 하여 내부를 확인 가능하며 , 플러그로 이송시 제품 파손을 방지 합니다.
Ideal for carbide rods. Round tube is made of clear PVC, will show products well.
Soft plug in case of the damage during the transporation.

규격 Reference No. 샹크경*길이 Dia.*Pack L	적용공구 To Suit Tool Dimension 샹크경Φ Dia.Φ	 L≤	최소수량 MOD(Set)
RT3-4*110	4	100	500
RT5-6*110	6	100	500
RT7-8*110	8	100	500
RT9-10*110	10	100	500
RT11-12*110	12	100	500

단위 Unit: MM



9

10개 포장용 필름
10PCS Pack

보다 안정적이고 효율적인 포장이 가능 。
Much safer and more attractive than elastic binding.

쉽게 수량 확인 및 라벨 적용 가능。
Easy counting and labeling.

약간의 먼지와 기름기가 남아 있을 수 있습니다。
Moisure, dust and grease resistent.

직사각형 포장용 필름
10PCS Pack for Rectangular

규격 Reference No.	적용공구 To Suit	최소수량 MOD(Set)
PACK*R1	3~6*70	100
PACK*R2	3~6*90	100
PACK*R3	3~6*110	100
PACK*R4	8*80	100
PACK*R5	8*90	100
PACK*R6	8*120	100
PACK*R7	10~12*95	100
PACK*R8	10~12*125	100

정사각형 포장용 필름
10PCS Pack for Quadro

규격 Reference No.	적용공구 To Suit	최소수량 MOD(Set)
PACK*Q1	3~8*70	100
PACK*Q2	3~8*85	500
PACK*Q3	3~8*105	500
PACK*Q4	10~12*90	500
PACK*Q5	10~12*115	500

단위 Unit: MM



10 날 보호캡
Protective End Caps

PVC 검정 보호캡
Black Protective End Caps

끝이 두꺼워 공구를 2중으로 추가적인 날의 파손을 방지 합니다.
Additional protection for delicate tool cutting edges. Thick bottom of caps provide double protection for tools.

규격 Reference No. 날경*길이 Dia.*Pack L	적용공구 To Suit Tool Dimension 내/외경Φ inner/outer Dia.Φ	L≤	최소수량 MOD(Set)	규격 Reference No. 날경*길이 Dia.*Pack L	적용공구 To Suit Tool Dimension 내/외경Φ inner/outer Dia.Φ	L≤	최소수량 MOD(Set)
BC2*15	2/4	15	1000	BC14*25	14/16	25	500
BC3*15	3/5	15	1000	BC16*25	16/18	25	500
BC4*15	4/6	15	1000	BC18*30	18/20	30	500
BC5*15	5/7	15	1000	BC20*30	20/22	30	500
BC6*15	6/8	15	1000	BC24*35	24/26	35	500
BC8*15	8/10	15	1000	BC25*35	25/27	35	500
BC10*20	10/12	20	1000	BC30*35	30/32	35	500
BC12*20	12/14	20	1000	BC40*45	40/42	45	500

단위 Unit: MM



흰색 PE 보호캡
White PE Protective End Caps

추가적인 보호를 통하여 공구 날 파손을 방지。
Additional protection for delicate tool cutting edges.



투명 PVC 보호캡
Clear Protective End Caps

추가적인 보호를 통하여 공구 날 파손을 방지。
Additional protection for delicate tool cutting edges.

규격 Reference No. 날경*길이 Dia.*Pack L	적용공구 To Suit Tool Dimension 내/외경Φ inner/outer Dia.Φ	L≤	최소수량 MOD(Set)	규격 Reference No. 날경*길이 Dia.*Pack L	적용공구 To Suit Tool Dimension 내/외경Φ inner/outer Dia.Φ	L≤	최소수량 MOD(Set)
PC3*12	3/5.4	12	1000	CC2*22	2/4	22	1000
PC4*14	4/6.4	14	1000	CC4*20	4/6	20	1000
PC5*14	5/7.4	14	1000	CC6*20	6/8	20	1000
PC6*14	6/8.4	14	1000	CC7*22	7/9	22	1000
PC8*16	8/10.4	16	1000	CC3*22	3/5	22	1000
PC10*20	10/12.4	20	1000	CC4*25	4/6	25	1000
PC12*22	12/14.4	22	1000	CC5*22	5/7	22	1000
PC14*25	14/16.4	25	500	CC6*25	6/8	25	1000
PC16*25	16/18.4	25	500	CC8*22	8/10	22	1000
PC18*30	18/20.4	30	500	CC10*25	10/12	25	1000
PC20*30	20/22.4	30	500	CC12*25	12/14	25	1000
				CC14*30	14/16	30	500
				CC16*30	16/18	30	500
				CC18*30	18/20	30	500
				CC20*30	20/22	30	500
				CC24*35	24/26	35	500
				CC25*35	25/27	35	500
				CC30*35	30/32	35	500



마이크로 보호캡
Protective End Caps for Micro-Endmills

소경 공구 날 보호캡으로 흰지를 샹크에 고정시켜 쉽고 편하게 포장하여 날을 보호 합니다。
약간의 먼지와 기름기가 남아 있을 수 있습니다。
Optimun protection for micro drills. Easy loading and unloading via hinge feature. Tigh fit of tool by clamping device using thermoplastic materials. Moisure, dust and grease resistent.

MCC3*29	3	500
MCC3.175*29	3.175	500
MCC4*29	4	500
MCC6*29	6	500
MCC4*20	4	500
MCC4*32	4	500
MCC6*40	6	500



11 트위스트 팩
Twist-Pack

트위스트 체결방식으로 다양한 길이의 공구 포장 가능。
Designed to pack tools of varying lengths and sizes with twist-lock.

엔드밀 ,드릴 , 터닝공구 , 툴 홀더 및 기타 공구 적용 가능。
For end mills, drills, turning tools, tool holders, and tool arbors, etc.



표준색상
Standard Colours

검정 Black　회색 Silver

표준색상
Special Colours　요청시 협의 후 제작 가능
Can be produced on request

로고 및 기타인쇄
Special Printing　튜브에 마킹 가능 (별도 협의)
Customised tube printing available

규격 Reference No. 샹크경*길이 Dia.*Pack L	내경Φ Inner Dia.Φ	최소길이 Min. Length	최대길이 Max. Length	규격 Reference No. 샹크경*길이 Dia.*Pack L	내경Φ Inner Dia.Φ	최소길이 Min. Length	최대길이 Max. Length
※TP6*50	6	50	70	TP28*50	28	50	60
※TP6*80	6	80	120	TP30*80	30	80	120
※TP8*50	8	50	70	TP30*120	30	120	200
※TP8*80	8	80	120	TP30*200	30	200	350
※TP10*80	10	80	120	TP35*50	35	50	60
※TP10*120	10	120	200	TP35*80	35	80	120
※TP13*80	13	80	120	TP35*120	35	120	200
※TP13*120	13	120	200	TP35*200	35	200	350
※TP13*200	13	200	350	TP40*80	40	80	120
※TP16*80	16	80	120	TP40*120	40	120	200
※TP16*120	16	120	200	TP45*50	45	50	60
※TP20*80	20	80	120	TP45*80	45	80	120
※TP20*120	20	120	200	TP45*120	45	120	200
※TP22*80	22	80	120	TP50*80	50	80	120
※TP22*120	22	120	200	TP50*120	50	120	200
※TP26*80	26	80	120	TP55*120	55	120	200
※TP26*120	26	120	200	TP65*60	65	60	80
TP26*200	26	200	350	TP65*120	65	120	200
				TP80*200	80	200	350

단위 Unit: MM

포장 : 샹크홀더와 튜브 별도 포장
PACKING: Shankholding base and outer tubes are packed separately.



12

인써트 박스
Insert Boxes

간단하게 놀러서 투껑 결합 가능 , 베이스 재질은 스페셜PP 재질로 이송시 외부충격으로부터 내용물 파손을 방지 합니다。
양방향 슬라이드 오픈 방식 . 겹쳐서 적충 가능。
Simple press fit lid.Base made of special PP material with excellent shock resistance, reduces damage during transportation.Simple lid design maximizes space for printing and labeling.Bi-directional slide opening lid.Stackable and storage efficient.

표준색상
Standard Colours

검정 Black | 빨강 Red | 연파랑 Light Blue | 노랑 Yellow | 회색 Gray | 희색 White

표준색상
Special Colours
요청시 협의 후 제작 가능
Can be produced on request

로고 및 기타인쇄
Special Printing
튜브에 마킹 가능 (별도 협의)
Customised tube printing available

타입 Box Type	규격 Ref. No.	셀수 No. of Cells	셀 사이즈 Cell Size	사이즈 External Box Size	최소수량 MOD(Set)
	IB01	10	18*18*6	98*40*11	500
	IB02	10	25.7*25.7*8.2	138*55*13	500
	IB03	10	17.8*17.8*8.3	98*40*15	500



13

10개 포장용 케이스
Ratchet Mechanism

Tenpack with Ratchet Mechanism

제품의 공정 이동시 사용가능하며 , 포함되어 있는 클립으로 다양한 공구의 피팅 가능。
투명 lip으로 제품 확인 가능。
For process transporation use.Could be laser marked 10 pieces togather.With ratchet mechanism in base holder for fitting the different length of tools.Clear lip could show products well.

표준색상
Standard Colours

파랑 Blue | 주황 Orange | 녹색 Green

표준색상
Special Colours
요청시 협의 후 제작 가능
Can be produced on request

로고 및 기타인쇄
Special Printing
튜브에 마킹 가능 (별도 협의)
Customised tube printing available

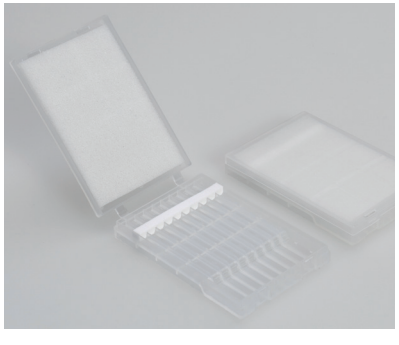
규격 Reference No. 날경*길이 Dia.*Pack L	적용공구 To Suit Tool Dimension 샹크경Φ Dia.Φ	L≤	최소수량 MOD(Set)	규격 Reference No. 날경*길이 Dia.*Pack L	적용공구 To Suit Tool Dimension 샹크경Φ Dia.Φ	L≤	최소수량 MOD(Set)
TPR4*65	4	60	500	TPR10*105	10	100	450
TPR6*75	6	70	1000	TPR12*125	12	120	290
TPR8*95	8	90	390				

10개 포장용 케이스 (스폰지타입)
OnePiece Tenpack with Sponge Ratchet Mechanism

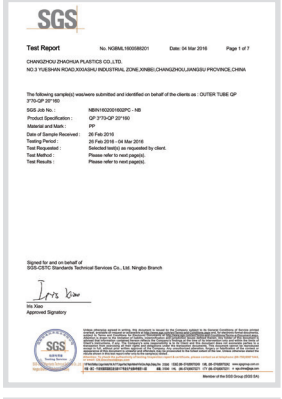
제품의 공정 이동시 사용가능 하며 , 포함되어있는 스폰지 클립으로 다양한 길이 피팅 가능。
For process transporation use.Could be laser marked 10 pieces togather.With ratchet mechanism in base holder for fitting the different length of tools.Clear lip could show products well.

SZ-4*83-HM	4	75	500
SZ-6*83-HM	6	75	500

단위 Unit: MM



14 인증서
Certifications


SGS

Test Report No. NGBML1600588201 Date: 04 Mar 2016 Page 1 of 7

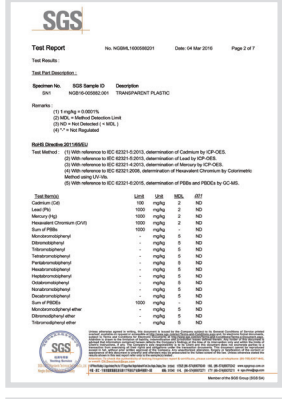
CHANGZHOU ZHAOHUA PLASTICS CO.,LTD.
NO.3 YUESHAN ROAD,XIXIASHU INDUSTRIAL ZONE,XINBEI,CHANGZHOU,JIANGSU PROVINCE,CHINA

The following sample(s) was/were submitted and identified on behalf of the clients as : OUTER TUBE GP
3*3/4-GP 20° 180

SGS Job No. : NBIN1602001602PC - NB
Product Specification : GP 3*3/4-GP 20° 180
Material and Mark : PP
Date of Sample Received : 26 Feb 2016
Testing Period : 26 Feb 2016 - 04 Mar 2016
Test Requested : Selected test(s) as requested by client.
Test Method : Please refer to next page(s).
Test Results : Please refer to next page(s).

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Ningbo Branch

Iris Xiao
Approved Signatory


SGS

Test Report No. NGBML1600588201 Date: 04 Mar 2016 Page 2 of 7

Test Results :

Test Part Description :

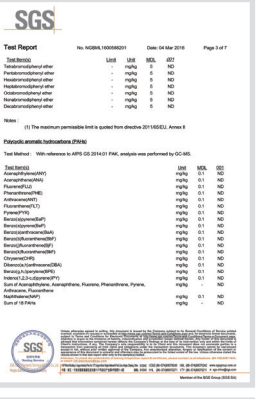
Specimen No.	SGS Sample ID	Description
SN1	NGB16-005582.001	TRANSPARENT PLASTIC

Remarks :
(1) 1 mg/kg = 0.0001%
(2) MDL = Method Detection Limit
(3) ND = Not Detected (< MDL)
(4) "-" = Not Regulated

RoHS Directive 2011/65/EU

Test Method : (1) With reference to IEC 62321-5:2013, determination of Cadmium by ICP-OES.
(2) With reference to IEC 62321-5:2013, determination of Lead by ICP-OES.
(3) With reference to IEC 62321-4:2013, determination of Mercury by ICP-OES.
(4) With reference to IEC 62321-7-2:2006, determination of Hexavalent Chromium by Colorimetric Method using UV-Vis.
(5) With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS.

Test Item(s)	Limit	Unit	MDL	001
Cadmium (Cd)	100	mg/kg	2	ND
Lead (Pb)	1000	mg/kg	2	ND
Mercury (Hg)	1000	mg/kg	2	ND
Hexavalent Chromium (CrVI)	1000	mg/kg	2	ND
Sum of PBBs	1000	mg/kg	-	ND
Monobromobiphenyl	-	mg/kg	5	ND
Dibromobiphenyl	-	mg/kg	5	ND
Tribromobiphenyl	-	mg/kg	5	ND
Tetrabromobiphenyl	-	mg/kg	5	ND
Pentabromobiphenyl	-	mg/kg	5	ND
Hexabromobiphenyl	-	mg/kg	5	ND
Heptabromobiphenyl	-	mg/kg	5	ND
Octabromobiphenyl	-	mg/kg	5	ND
Nonabromobiphenyl	-	mg/kg	5	ND
Decabromobiphenyl	-	mg/kg	5	ND
Sum of PBDEs	1000	mg/kg	-	ND
Monobromodiphenyl ether	-	mg/kg	5	ND
Dibromodiphenyl ether	-	mg/kg	5	ND
Tribromodiphenyl ether	-	mg/kg	5	ND


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Test Report No. NGBML1600588201 Date: 04 Mar 2016 Page 3 of 7

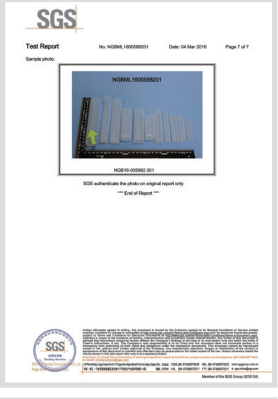
Test Item(s)	Limit	Unit	MDL	001
Tetrabromodiphenyl ether	-	mg/kg	5	ND
Pentabromodiphenyl ether	-	mg/kg	5	ND
Hexabromodiphenyl ether	-	mg/kg	5	ND
Heptabromodiphenyl ether	-	mg/kg	5	ND
Octabromodiphenyl ether	-	mg/kg	5	ND
Nonabromodiphenyl ether	-	mg/kg	5	ND
Decabromodiphenyl ether	-	mg/kg	5	ND

Notes :
(1) The maximum permissible limit is quoted from directive 2011/65/EU, Annex II

Polycyclic aromatic hydrocarbons (PAHs)

Test Method : With reference to AfPS GS 2014:01 PAK, analysis was performed by GC-MS.

Test Item(s)	Unit	MDL	001
Acenaphthylene(ANY)	mg/kg	0.1	ND
Acenaphthene(ANA)	mg/kg	0.1	ND
Fluorene(FLU)	mg/kg	0.1	ND
Phenanthrene(PHE)	mg/kg	0.1	ND
Anthracene(ANT)	mg/kg	0.1	ND
Fluoranthene(FLT)	mg/kg	0.1	ND
Pyrene(PYR)	mg/kg	0.1	ND
Benzo(a)anthracene(BaA)	mg/kg	0.1	ND
Chrysene(CHR)	mg/kg	0.1	ND
Benzo(b)fluoranthene(BbF)	mg/kg	0.1	ND
Benzo(k)fluoranthene(BkF)	mg/kg	0.1	ND
Benzo(a)pyrene(BaP)	mg/kg	0.1	ND
Indeno(1,2,3-cd)pyrene(IPY)	mg/kg	0.1	ND
Dibenz(a,h)anthracene(DBA)	mg/kg	0.1	ND
Benzo(g,h,i)perylene(BPE)	mg/kg	0.1	ND
Sum of Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Pyrene, Anthracene, Fluoranthene	mg/kg	-	ND
Naphthalene(NAP)	mg/kg	0.1	ND
Sum of 18 PAHs	mg/kg	-	ND


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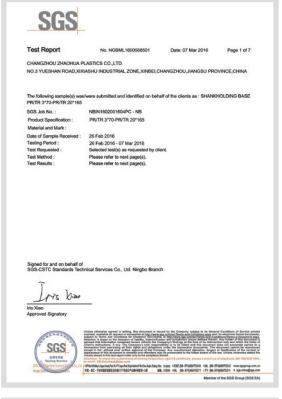
Test Report No. NGBML1600588201 Date: 04 Mar 2016 Page 7 of 7

Sample photo:

NGB16-005582.001

SGS authenticate the photo on original report only

*** End of Report ***


SGS

Test Report No. NGBML1600588501 Date: 07 Mar 2016 Page 1 of 7

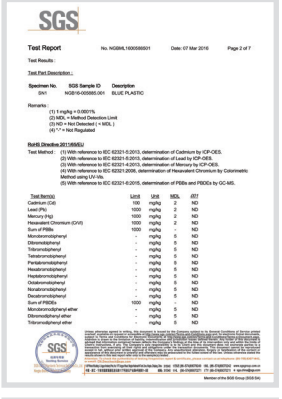
CHANGZHOU ZHAOHUA PLASTICS CO.,LTD.
NO.3 YUESHAN ROAD,XIXIASHU INDUSTRIAL ZONE,XINBEI,CHANGZHOU,JIANGSU PROVINCE,CHINA

The following sample(s) was/were submitted and identified on behalf of the clients as : SHANGHOLDING BASE
PR/TR 3*3/4-PR/TR 20° 180

SGS Job No. : NBIN1602001604PC - NB
Product Specification : PR/TR 3*3/4-PR/TR 20° 180
Material and Mark :
Date of Sample Received : 26 Feb 2016
Testing Period : 26 Feb 2016 - 07 Mar 2016
Test Requested : Selected test(s) as requested by client.
Test Method : Please refer to next page(s).
Test Results : Please refer to next page(s).

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Ningbo Branch

Iris Xiao
Approved Signatory


SGS

Test Report No. NGBML1600588501 Date: 07 Mar 2016 Page 2 of 7

Test Results :

Test Part Description :

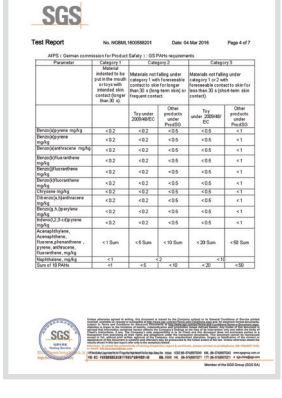
Specimen No.	SGS Sample ID	Description
SN1	NGB16-005585.001	BLUE PLASTIC

Remarks :
(1) 1 mg/kg = 0.0001%
(2) MDL = Method Detection Limit
(3) ND = Not Detected (< MDL)
(4) "-" = Not Regulated

RoHS Directive 2011/65/EU

Test Method : (1) With reference to IEC 62321-5:2013, determination of Cadmium by ICP-OES.
(2) With reference to IEC 62321-5:2013, determination of Lead by ICP-OES.
(3) With reference to IEC 62321-4:2013, determination of Mercury by ICP-OES.
(4) With reference to IEC 62321-7-2:2006, determination of Hexavalent Chromium by Colorimetric Method using UV-Vis.
(5) With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS.

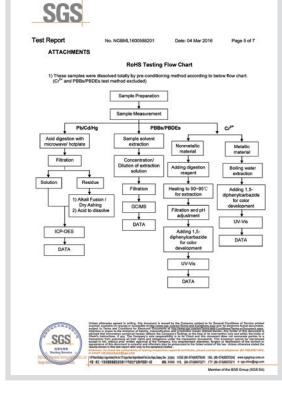
Test Item(s)	Limit	Unit	MDL	001
Cadmium (Cd)	100	mg/kg	2	ND
Lead (Pb)	1000	mg/kg	2	ND
Mercury (Hg)	1000	mg/kg	2	ND
Hexavalent Chromium (CrVI)	1000	mg/kg	2	ND
Sum of PBBs	1000	mg/kg	-	ND
Monobromobiphenyl	-	mg/kg	5	ND
Dibromobiphenyl	-	mg/kg	5	ND
Tribromobiphenyl	-	mg/kg	5	ND
Tetrabromobiphenyl	-	mg/kg	5	ND
Pentabromobiphenyl	-	mg/kg	5	ND
Hexabromobiphenyl	-	mg/kg	5	ND
Heptabromobiphenyl	-	mg/kg	5	ND
Octabromobiphenyl	-	mg/kg	5	ND
Nonabromobiphenyl	-	mg/kg	5	ND
Decabromobiphenyl	-	mg/kg	5	ND
Sum of PBDEs	1000	mg/kg	-	ND
Monobromodiphenyl ether	-	mg/kg	5	ND
Dibromodiphenyl ether	-	mg/kg	5	ND
Tribromodiphenyl ether	-	mg/kg	5	ND


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Test Report No. NGBML1600588201 Date: 04 Mar 2016 Page 4 of 7

AfPS / German commission For Product Safety :: GS PAHs requirements

Parameter	Category 1	Category 2	Category 3
	Material intented to be put in the mouth or toys with intended skin contact (longer than 30 s)	Materials not falling under category 1 with foreseeable contact to skin for longer than 30 s (long-term skin contact)	Materials not falling under category 1 or 2 with foreseeable contact to skin for less than 30 s (short-term skin contact).
	Toy under 2009/48/EC	Other products under 2009/48/EC	Toy under 2009/48/EC	Other products under Directive 2001/95/EC	Other products under Directive 2001/95/EC
Benzo(a)pyrene mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(e)pyrene mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(a)anthracene mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(b)fluoranthene mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(j)fluoranthene mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(k)fluoranthene mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Chrysene mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Dibenz(a,h)anthracene mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(g,h,i)perylene mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Indeno(1,2,3-cd)pyrene mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Acenaphthylene, Acenaphthene, Fluorene,phenanthrene , pyrene, anthracene, Fluoranthene, mg/kg	< 1 Sum	< 5 Sum	< 10 Sum	< 20 Sum	< 50 Sum
Naphthalene, mg/kg	< 1	< 2	< 10		
Sum of 18 PAHs	< 1	< 5	< 15	< 30	< 80

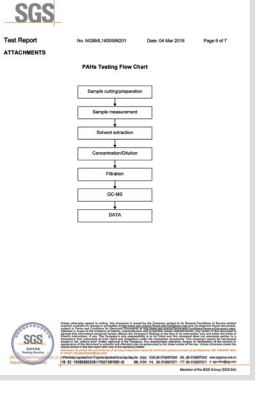

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Test Report No. NGBML1600588201 Date: 04 Mar 2016 Page 5 of 7

ATTACHMENTS

RoHS Testing Flow Chart

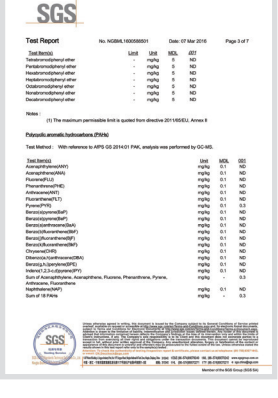
1) These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr^{6+} and PBBs/PBDEs test method excluded)


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Test Report No. NGBML1600588201 Date: 04 Mar 2016 Page 6 of 7

ATTACHMENTS

PAHs Testing Flow Chart


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Test Report No. NGBML1600588501 Date: 07 Mar 2016 Page 3 of 7

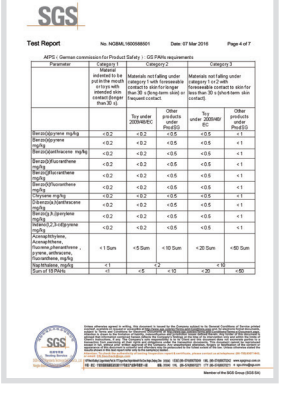
Test Item(s)	Limit	Unit	MDL	001
Tetrabromodiphenyl ether	-	mg/kg	5	ND
Pentabromodiphenyl ether	-	mg/kg	5	ND
Hexabromodiphenyl ether	-	mg/kg	5	ND
Heptabromodiphenyl ether	-	mg/kg	5	ND
Octabromodiphenyl ether	-	mg/kg	5	ND
Nonabromodiphenyl ether	-	mg/kg	5	ND
Decabromodiphenyl ether	-	mg/kg	5	ND

Notes :
(1) The maximum permissible limit is quoted from directive 2011/65/EU, Annex II

Polycyclic aromatic hydrocarbons (PAHs)

Test Method : With reference to AfPS GS 2014:01 PAK, analysis was performed by GC-MS.

Test Item(s)	Unit	MDL	001
Acenaphthylene(ANY)	mg/kg	0.1	ND
Acenaphthene(ANA)	mg/kg	0.1	ND
Fluorene(FLU)	mg/kg	0.1	ND
Phenanthrene(PHE)	mg/kg	0.1	ND
Anthracene(ANT)	mg/kg	0.1	ND
Fluoranthene(FLT)	mg/kg	0.1	ND
Pyrene(PYR)	mg/kg	0.1	0.3
Benzo(a)pyrene(BaP)	mg/kg	0.1	ND
Benzo(e)pyrene(BeP)	mg/kg	0.1	ND
Benzo(a)anthracene(BaA)	mg/kg	0.1	ND
Benzo(b)fluoranthene(BbF)	mg/kg	0.1	ND
Benzo(j)fluoranthene(BjF)	mg/kg	0.1	ND
Benzo(k)fluoranthene(BkF)	mg/kg	0.1	ND
Chrysene(CHR)	mg/kg	0.1	ND
Dibenz(a,h)anthracene(DBA)	mg/kg	0.1	ND
Benzo(g,h,i)perylene(BPE)	mg/kg	0.1	ND
Indeno(1,2,3-cd)pyrene(IPY)	mg/kg	0.1	ND
Sum of Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Pyrene, Anthracene, Fluoranthene	mg/kg	-	0.3
Naphthalene(NAP)	mg/kg	0.1	ND
Sum of 18 PAHs	mg/kg	-	0.3


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Test Report No. NGBML1600588501 Date: 07 Mar 2016 Page 4 of 7

AfPS / German commission For Product Safety :: GS PAHs requirements

Parameter	Category 1	Category 2	Category 3
	Material intented to be put in the mouth or toys with intended skin contact (longer than 30 s)	Materials not falling under category 1 with foreseeable contact to skin for longer than 30 s (long-term skin contact)	Materials not falling under category 1 or 2 with foreseeable contact to skin for less than 30 s (short-term skin contact).
	Toy under 2009/48/EC	Other products under Directive 2001/95/EC	Toy under 2009/48/EC	Other products under Directive 2001/95/EC	Other products under Directive 2001/95/EC
Benzo(a)pyrene mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(e)pyrene mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(a)anthracene mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(b)fluoranthene mg/kg	< 0.2	< 0.3	< 0.5	< 0.5	< 1
Benzo(j)fluoranthene mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(k)fluoranthene mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Chrysene mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Dibenz(a,h)anthracene mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(g,h,i)perylene mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Indeno(1,2,3-cd)pyrene mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Acenaphthylene, Acenaphthene, Fluorene,phenanthrene , pyrene, anthracene, Fluoranthene, mg/kg	< 1 Sum	< 5 Sum	< 10 Sum	< 20 Sum	< 50 Sum
Naphthalene, mg/kg	< 1	< 2	< 10		
Sum of 18 PAHs	< 1	< 5	< 15	< 30	< 80


SGS

Test Report No. NGBML1600588501 Date: 07 Mar 2016 Page 7 of 7

Sample photo:

NGB16-005585.001

SGS authenticate the photo on original report only

*** End of Report ***