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Material Certificate

Shen Zhen Boon Xin Long Super Engineering Plastics Co., Ltd

Date: 2015-6-18

Certificate NO:	BXL-15-872	PO NO:	1508524	Invoice NO:	2015061818
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Order Details:

Commodity	Grade	Specification	Pieces	Case	Net Weight	Gross Weight	Color
flame retardant ABS	UL 94-V0	650 x 600 x 15	1	1	7.5 KG	8KG	white

Notes: we hereby certify that the material described herein has been provided in accordance with the applicable standard and the customer's requirements.

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Tel :0755-88899668

Business Tel :0755-89718936 (Mr.Tang)

Fax :0755-88899928

ground Address: Longgang Huaqiang Road, Baolong Industrial Zone breeze Industrial Logistics Park 2

DATA SHEET

ITEM	METHOD	UNIT	VALUE
Mechanical Properties			
Specific gravity	ASTM D792	g/cm ³	1.17
Tensile yield strength	ASTM D638	Mpa	40
Breaking elongation	ASTM D638	%	36
Bending strength	ASTM 790	Mpa	50
Flexural modulus	ASTM 790	Mpa	1800
Shore hardness	ASTM D2240	D	80
Impact strength	ASTM D256	J/M	180
Thermal Properties			

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Melting point	DSC	°C	180
Heat distortion temperature	ASTM D648	°C	85
Operating temperature	-	°C	70
Maximum operating temperature	-	°C	120
Thermal conductivity	DIN 52612-1	W/(K-M)	0.15
Coefficient of linear thermal expansion	ASTM D696	10-5-1/K	9
Electrical Properties			
Dielectric strength	ASTM D150	KV-mm	23
Dielectric loss factor	ASTM D150	-	0.0157
Volume resistivity	ASTM D257	Ω.cm	10 ¹⁵
Surface resistivity	ASTM D257	Ω	10 ¹⁴
Dielectric constant	ASTM D149	-	3.2
Chemical Properties			

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Water absorption	23℃ 60%RH	%	0.2
Acid resistance	23℃ 60%RH		+
Alkali resistance			0
Acid and alkali resistance			+
Resistance to sodium chlorate			0
Resistance to aromatic compounds			-
Resistance to ketone	23℃ 60%RH		-
Resistance to hot water	23℃ 60%RH		0
Others			
Flammability	UL 94		V0
Viscosity	-		+
Non toxic	EEC 90/128 FDA		-
Coefficient of friction	DIN 53375		0.5

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Anti-ultraviolet	-		-
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