

SE1X(GG)(f1) - Plastics - Component

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File Number: E45587

Yellow Card® 

COMPANY

SABIC JAPAN L L C
Moka Jp - Resin
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MODEL INFO

Noryl: SE1X(GG)(f1)
PPE+PS, furnished as pellets
(GG) – Denotes a global grade formulation previously in File E161759.
(f1) – Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.
NOTE – Material designations may be followed by a color nomenclature consisting of either an alpha/numeric or a numeric/alpha combination.

FLAMMABILITY PROPERTIES	额定值	测试方法
Flammability		ANSI/UL 94
1.5 mm, Color: ALL	V-1	
2.0 mm, Color: ALL	V-1	
2.0 mm, Color: BK, WT	RP100	
3.0 mm, Color: ALL	V-1	
6.0 mm, Color: ALL	V-0	

ISO/IEC FLAMMABILITY PROPERTIES	额定值	测试方法
Flammability		IEC 60695-11-10
1.5 mm, Color: ALL	V-1	
2.0 mm, Color: ALL	V-1	
2.0 mm, Color: BK, WT	RP100	

3.0 mm, Color: ALL	V-1	
6.0 mm, Color: ALL	V-0	
Glow Wire Ignition Temperature (GWIT)		IEC 60695-2-13
1.0 mm	700 °C	
1.5 mm	700 °C	
2.0 mm	725 °C	
3.0 mm	725 °C	
6.0 mm	725 °C	
Glow Wire Flammability Index (GWFI)		IEC 60695-2-12
1.0 mm	900 °C	
1.5 mm	900 °C	
2.0 mm	960 °C 900	
3.0 mm	960 °C	
6.0 mm	960 °C	

ELECTRICAL PROPERTIES	额定值	测试方法
Hot-wire Ignition (HWI)		UL 746A
1.5 mm	PLC 0	
6.0 mm	PLC 0	
High Amp Arc Ignition (HAI)		UL 746A
1.5 mm	PLC 0	
6.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 1	UL 746A
Dielectric Strength	42 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 4	
Volume Resistivity	1.0E+15 ohms-cm	ASTM D257/IEC 60093
High Voltage, Low Current Arc Resistance	PLC 6	
THERMAL PROPERTIES	额定值	测试方法
Relative Thermal Index - Electrical Strength		UL 746B

0.75 mm	110 °C	
1.0 mm	110 °C	
1.5 mm	110 °C	
2.0 mm	110 °C	
3.0 mm	110 °C	
6.0 mm	110 °C	
Relative Thermal Index - Mechanical Impact		UL 746B
0.75 mm	105 °C	
1.0 mm	105 °C	
1.5 mm	105 °C	
2.0 mm	105 °C	
3.0 mm	105 °C	
6.0 mm	105 °C	
Relative Thermal Index - Mechanical Strength		UL 746B
0.75 mm	110 °C	
1.0 mm	110 °C	
1.5 mm	110 °C	
2.0 mm	110 °C	
3.0 mm	110 °C	
6.0 mm	110 °C	
Ball Pressure Temperature	125 °C	

PHYSICAL PROPERTIES	额定值	测试方法
Dimensional Change	0.0 %	ASTM D1042/ISO 2796
UV Exposure & Water Immersion	f1	UL 746C

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