



Component - Plastics

File Number: E65424

KOREA KUMHO PETROCHEMICAL CO LTD

EAST WING 10-14F, SIGNATURE TOWERS SEOUL, 100 CHEONGGYECHEON-RO JUNG-GU, SEOUL 100-230
KR



HFA-451

Acrylonitrile Butadiene Styrene (ABS), pellets

Flammability	Value	Test Method
Flame Rating		UL 94 IEC 60695-11-10, -20
1.5 mm, ALL	V-0	
2.2 mm, ALL	V-0, 5VB	
3.0 mm, ALL	V-0, 5VB	
6.0 mm, ALL	V-0, 5VB	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
1.5 mm	PLC 4	
2.2 mm	PLC 4	
3.0 mm	PLC 3	
6.0 mm	PLC 1	
High Amp Arc Ignition (HAI)		UL 746
1.5 mm	PLC 0	
2.2 mm	PLC 0	
3.0 mm	PLC 0	
6.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 1	UL 746
Dielectric Strength	27 kV/mm	ASTM D149 IEC 60243-1
High Voltage Arc Tracking Rate (HVTR)	PLC 3	UL 746
Volume Resistivity	1.0E+17 ohms-cm	ASTM D257 IEC 60093
Arc Resistance	PLC 6	ASTM D495
Thermal	Value	Test Method
RTI Elec		UL 746
1.5 mm	60.0 °C	
2.2 mm	60.0 °C	
3.0 mm	60.0 °C	
6.0 mm	60.0 °C	
RTI Imp		UL 746
1.5 mm	60.0 °C	
2.2 mm	60.0 °C	
3.0 mm	60.0 °C	
6.0 mm	60.0 °C	
RTI Str		UL 746
1.5 mm	60.0 °C	
2.2 mm	60.0 °C	
3.0 mm	60.0 °C	
6.0 mm	60.0 °C	

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Physical	Value	Test Method
Dimensional Stability	0.0 %	ASTM D1042 ISO 2796