



Component - Plastics

File Number: E48285

ASAHI KASEI CORP

KANDA-MITSUI BLDG, 1-105 KANDA JINBOCHO, CHIYODA-KU TOKYO 101-8101 JP



Leona: 1300G(o)

Polyamide 66 (PA66), granular material

(o) - Virgin and regrind up to 25% by weight inclusive have the same basic characteristics. In addition, virgin and regrind 26 to 50% by weight inclusive have the same basic material characteristics except the regrind has generic RTIs of 65 C for the electrical and mechanical properties.

Flammability	Value	Test Method
Flame Rating		UL 94
0.71 mm, ALL	HB	
1.5 mm, ALL	HB	
3.0 mm, ALL	HB	
Flammability Classification		IEC 60695-11-10, -20
3.0 mm, ALL	HB40	
0.71 mm, ALL	HB75	
1.5 mm, ALL	HB75	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
0.71 mm	PLC 4	
1.5 mm	PLC 4	
3.0 mm	PLC 4	
High Amp Arc Ignition (HAI)		UL 746
0.71 mm	PLC 0	
1.5 mm	PLC 0	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 1	UL 746
Dielectric Strength	30 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 1	UL 746
Volume Resistivity	1.0E+10 ohms-cm	ASTM D257
Volume Resistivity	1.0E+10 ohms-cm	IEC 60093
Arc Resistance	PLC 5	ASTM D495
Electric Strength	30 kV/mm	IEC 60243-1
Thermal	Value	Test Method
RTI Elec		UL 746
0.71 mm	125 °C	
1.5 mm	125 °C	
3.0 mm	125 °C	
RTI Imp		UL 746
0.71 mm	105 °C	
1.5 mm	105 °C	
3.0 mm	110 °C	
RTI Str		UL 746
0.71 mm	110 °C	
1.5 mm	110 °C	
3.0 mm	120 °C	

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Physical	Value	Test Method
Dimensional Stability	0.28 %	ASTM D1042
Dimensional Stability	0.28 %	ISO 2796

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