



Component - Plastics

File Number: E95746

Solvay Specialty Polymers USA L L C
4500 MCGINNIS FERRY RD, ALPHARETTA GA 30005-2203



IXEF: FC-1022 (##)

Polyamide (PA), pellets

(##) - Denotes up to six characters consisting of a combination of letters and/or numbers representing a color code.

Flammability	Value	Test Method
Flame Rating		UL 94
0.75 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	
0.75 mm, ALL	HB75	
1.5 mm, ALL	HB75	
Glow Wire Flammability Index		IEC 60695-2-12
0.75 mm	725 °C	
1.5 mm	725 °C	
3.0 mm	775 °C	
Glow Wire Ignition Temperature		IEC 60695-2-13
0.75 mm	750 °C	
1.5 mm	750 °C	
3.0 mm	800 °C	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
0.75 mm	PLC 1	
1.5 mm	PLC 0	
3.0 mm	PLC 0	
High Amp Arc Ignition (HAI)		UL 746
0.75 mm	PLC 1	
1.5 mm	PLC 0	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 1	UL 746
Dielectric Strength	28 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 0	UL 746
Volume Resistivity	1.0E+8 ohms-cm	ASTM D257
Volume Resistivity	1.0E+8 ohms-cm	IEC 60093
Arc Resistance	PLC 5	ASTM D495
Comparative Tracking Index (3.00 mm)	500 V	IEC 60112
Electric Strength	28 kV/mm	IEC 60243-1
Thermal	Value	Test Method
RTI Elec		UL 746
0.75 mm	65.0 °C	
1.5 mm	130 °C	
3.0 mm	130 °C	

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Thermal	Value	Test Method
RTI Imp		UL 746
0.75 mm	90.0 °C	
1.5 mm	105 °C	
3.0 mm	105 °C	
RTI Str		UL 746
0.75 mm	105 °C	
1.5 mm	105 °C	
3.0 mm	120 °C	
Ball Pressure Test (200°C, 3.00 mm)	Pass	IEC 60695-10-2
Physical	Value	Test Method
Dimensional Stability	0.0 %	ASTM D1042
Dimensional Stability	0.0 %	ISO 2796

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