



Component - Plastics

File Number: E95746

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



Amodel: FC-1140 L
Polyphthalamide (PPA), pellets

Flammability	Value	Test Method
Flame Rating		UL 94
0.75 mm, NC, BK	HB	
1.5 mm, NC, BK	HB	
3.0 mm, NC, BK	HB	
Flammability Classification		IEC 60695-11-10, -20
3.0 mm, NC, BK	HB40	
0.75 mm, NC, BK	HB75	
1.5 mm, NC, BK	HB75	
Glow Wire Flammability Index		IEC 60695-2-12
0.75 mm	725 °C	
1.5 mm	675 °C	
3.0 mm	960 °C	
Glow Wire Ignition Temperature		IEC 60695-2-13
0.75 mm	750 °C	
1.5 mm	700 °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 1	
3.0 mm	PLC 0	
High Amp Arc Ignition (HAI)		UL 746
0.75 mm	PLC 1	
1.5 mm	PLC 1	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 0	UL 746
Dielectric Strength	35 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 1	UL 746
Volume Resistivity	1.0E+18 ohms·cm	ASTM D257
Volume Resistivity	1.0E+18 ohms·cm	IEC 60093
Arc Resistance	PLC 5	ASTM D495
Comparative Tracking Index (3.00 mm)	600 V	IEC 60112
Electric Strength	35 kV/mm	IEC 60243-1
Thermal	Value	Test Method
RTI Elec		UL 746
0.75 mm	140 °C	
1.5 mm	140 °C	
3.0 mm	140 °C	

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Thermal	Value	Test Method
RTI Imp		UL 746
0.75 mm	130 °C	
1.5 mm	130 °C	
3.0 mm	140 °C	
RTI Str		UL 746
0.75 mm	130 °C	
1.5 mm	130 °C	
3.0 mm	140 °C	

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