



Component - Plastics

File Number: E95746

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



Amodel: FC-1150

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	825 °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 1	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 0	UL 746
Dielectric Strength	34 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	34 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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