



Component - Plastics

File Number: E95746

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



Amodel: A-1145HS (i)

Polyphtalamide (PPA), pellets

(i) - 85C is the generic RTI value for this PPA per UL 746B

Flammability	Value	Test Method
Flame Rating		UL 94
0.9 mm, NC	HB	
1.5 mm, NC	HB	
3.0 mm, NC	HB	
Flammability Classification		IEC 60695-11-10, -20
3.0 mm, NC	HB40	
0.9 mm, NC	HB75	
1.5 mm, NC	HB75	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
0.9 mm	PLC 3	
1.5 mm	PLC 0	
3.0 mm	PLC 0	
High Amp Arc Ignition (HAI)		UL 746
0.9 mm	PLC 1	
1.5 mm	PLC 0	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 0	UL 746
Dielectric Strength	36 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 1	UL 746
Volume Resistivity	1.0E+15 ohms·cm	ASTM D257
Volume Resistivity	1.0E+15 ohms·cm	IEC 60093
Electric Strength	36 kV/mm	IEC 60243-1
Thermal	Value	Test Method
RTI Elec		UL 746
0.9 mm	85.0 °C	
1.5 mm	85.0 °C	
3.0 mm	85.0 °C	
RTI Imp		UL 746
0.9 mm	85.0 °C	
1.5 mm	85.0 °C	
3.0 mm	85.0 °C	
RTI Str		UL 746
0.9 mm	85.0 °C	
1.5 mm	85.0 °C	
3.0 mm	85.0 °C	
Physical	Value	Test Method
Dimensional Stability	0.0 %	ASTM D1042
Dimensional Stability	0.0 %	ISO 2796

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