



Component - Plastics

File Number: E95746

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



Amodel: AFA-6133 V0(+)(*)

Polyphthalamide (PPA), pellets

(*) - Optional, any letter A to Z

(+) - Virgin and regrind up to 50% by weight incl., have the same basic material characteristics.

Flammability	Value	Test Method
Flame Rating		UL 94
0.30 mm, BK	V-0	
0.75 mm, ALL	V-0	
1.5 mm, ALL	V-0, 5VA	
3.0 mm, ALL	V-0, 5VA	
Flammability Classification		IEC 60695-11-10, -20
0.30 mm, BK	V-0	
0.75 mm, ALL	V-0	
1.5 mm, ALL	V-0, 5VA	
3.0 mm, ALL	V-0, 5VA	
Glow Wire Flammability Index (0.75 mm)	960 °C	IEC 60695-2-12
Glow Wire Ignition Temperature (0.75 mm)	960 °C	IEC 60695-2-13
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
0.30 mm	PLC 0	
0.75 mm	PLC 0	
1.5 mm	PLC 0	
3.0 mm	PLC 0	
High Amp Arc Ignition (HAI)		UL 746
0.30 mm	PLC 1	
0.75 mm	PLC 0	
1.5 mm	PLC 0	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 1	UL 746
Dielectric Strength	23 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 1	UL 746
Volume Resistivity	1.0E+13 ohms·cm	ASTM D257
Volume Resistivity	1.0E+13 ohms·cm	IEC 60093
Electric Strength	23 kV/mm	IEC 60243-1
Thermal	Value	Test Method
RTI Elec		UL 746
0.30 mm	125 °C	
0.75 mm	130 °C	
1.5 mm	130 °C	
3.0 mm	130 °C	

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Thermal	Value	Test Method
RTI Imp		UL 746
0.30 mm	85.0 °C	
0.75 mm	130 °C	
1.5 mm	130 °C	
3.0 mm	130 °C	
RTI Str		UL 746
0.30 mm	85.0 °C	
0.75 mm	130 °C	
1.5 mm	130 °C	
3.0 mm	130 °C	

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