



Component - Plastics

File Number: E51193

LyondellBasell Advanced Polymers, Inc.

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Houston, TX 77010 United States



POLYFLAM: RPP 1021-@@++\$(f2)

Polypropylene (PP), pellets

\$ - Represents a two to five digit number 00-99999 incl., or none.

(f2) - Subjected to one or more of the following tests: Ultraviolet Light, Water Exposure or Immersion in accordance with UL 746C, where the acceptability for outdoor use is to be determined by UL.

@ - Represents a single digit number 0-9 incl., or none.

+ - Represents one letter A-Z incl. or no letter

NOTE - All designations may be followed by an optional hyphen, followed by an alphanumeric color code

Flammability	Value	Test Method
Flame Rating		UL 94
0.030 in, NC	V-2	
0.06 in, ALL	V-2	
0.12 in, ALL	V-2	
Flammability Classification		IEC 60695-11-10, -20
0.030 in, NC	V-2	
0.06 in, ALL	V-2	
0.12 in, ALL	V-2	
Glow Wire Flammability Index		IEC 60695-2-12
0.030 in	1760 °F	
0.06 in	1760 °F	
0.12 in	1760 °F	
Glow Wire Ignition Temperature		IEC 60695-2-13
0.030 in	1290 °F	
0.06 in	1290 °F	
0.12 in	1290 °F	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746A
0.030 in	PLC 3	
0.06 in	PLC 3	
0.12 in	PLC 2	
High Amp Arc Ignition (HAI)		UL 746A
0.030 in	PLC 0	
0.06 in	PLC 0	
0.12 in	PLC 0	
Comparative Tracking Index (CTI)	PLC 0	UL 746A
Dielectric Strength	890 V/mil	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 0	UL 746A
Volume Resistivity	1.0E+15 ohms·cm	ASTM D257
Volume Resistivity	1.0E+15 ohms·cm	IEC 60093
Arc Resistance	PLC 5	ASTM D495



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Thermal	Value	Test Method
RTI Elec		UL 746B
0.030 in	221 °F	
0.06 in	221 °F	
0.12 in	221 °F	
RTI Imp		UL 746B
0.030 in	221 °F	
0.06 in	221 °F	
0.12 in	221 °F	
RTI Str		UL 746B
0.030 in	221 °F	
0.06 in	221 °F	
0.12 in	221 °F	
Physical	Value	Test Method
Dimensional Change	0.090 %	ASTM D1042
Dimensional Change	0.090 %	ISO 2796
Outdoor Suitability	f2	UL 746C

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