



Component - Plastics

File Number: E344659

LyondellBasell Advanced Polymer (Dongguan) Co Ltd

EASTERN INDUSTRIAL PARK

QIAOXIN RD

QIAOTOU TOWN

DONGGUAN, GUANGDONG 523520 China



POLYFLAM: RPP 374 ND CS1 5V (f1)

Polypropylene (PP), pellets

(f1) - Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.

NOTE - All designations may be followed by numerical suffixes indicating color

Flammability	Value	Test Method
Flame Rating		UL 94
0.06 in, ALL	V-0	
0.07 in, ALL	V-0, 5VA	
0.12 in, ALL	V-0, 5VA	
Flammability Classification		IEC 60695-11-10, -20
0.06 in, ALL	V-0	
0.07 in, ALL	V-0, 5VA	
0.12 in, ALL	V-0, 5VA	
Glow Wire Flammability Index		IEC 60695-2-12
0.06 in	1760 °F	
0.07 in	1760 °F	
0.12 in	1760 °F	
Glow Wire Ignition Temperature		IEC 60695-2-13
0.06 in	1380 °F	
0.07 in	1380 °F	
0.12 in	1380 °F	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746A
0.06 in	PLC 3	
0.07 in	PLC 3	
0.12 in	PLC 2	
High Amp Arc Ignition (HAI)		UL 746A
0.06 in	PLC 0	
0.07 in	PLC 0	
0.12 in	PLC 0	
Comparative Tracking Index (CTI)	PLC 0	UL 746A
Dielectric Strength	740 V/mil	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 0	UL 746A
Volume Resistivity	1.0E+16 ohms-cm	ASTM D257
Volume Resistivity	1.0E+16 ohms-cm	IEC 60093
Arc Resistance	PLC 5	ASTM D495



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Thermal	Value	Test Method
RTI Elec		UL 746B
0.06 in	221 °F	
0.07 in	221 °F	
0.12 in	221 °F	
RTI Imp		UL 746B
0.06 in	221 °F	
0.07 in	221 °F	
0.12 in	221 °F	
RTI Str		UL 746B
0.06 in	221 °F	
0.07 in	221 °F	
0.12 in	221 °F	
Physical	Value	Test Method
Dimensional Change	0.030 %	ASTM D1042
Dimensional Change	0.030 %	ISO 2796
Outdoor Suitability	f1	UL 746C

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