



Polyflam RIPP 374 ND CS1 BLK7103

LyondellBasell Industries - Polypropylene Copolymer

General Information

Product Description

20% talc filled flame-retardant PP-Copolymer

General

Filler / Reinforcement	• Talc, 20% Filler by Weight		
Additive	• Copper Stabilizer	• Flame Retardant	
Features	• Copolymer	• Copper Contact Stabilized	• Flame Retardant
Processing Method	• Injection Molding		
Resin ID	• PP TD20 FR(17)		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.36	g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	11	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	392000	psi	ISO 527-1/1A/1
Tensile Stress (Yield)	3050	psi	ISO 527-2/1A/50
Tensile Strain (Yield)	2.0	%	ISO 527-2/1A/50
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (73°F)	29	ft·lb/in ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	284	°F	ISO 306/A50
Ball Pressure Test (212°F)	Pass		IEC 60695-10-2
RTI Elec			UL 746B
0.06 in	122	°F	
0.12 in	122	°F	
RTI Imp			UL 746B
0.06 in	122	°F	
0.12 in	122	°F	
RTI Str			UL 746B
0.06 in	122	°F	
0.12 in	122	°F	
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Burning Rate ²			ISO 3795
0.0591 in	0.0	in/min	
0.118 in	0.0	in/min	
Flame Rating			UL 94
0.06 in	V-0		
0.12 in	V-0		

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Flammability	Nominal Value	Unit	Test Method
Flammability Classification			IEC 60695-11-10, -20
0.06 in		V-0	
0.12 in		V-0	
Glow Wire Flammability Index			IEC 60695-2-12
0.06 in	1760	°F	
0.12 in	1760	°F	
Glow Wire Ignition Temperature			IEC 60695-2-13
0.06 in	1200	°F	
0.12 in	1200	°F	
Oxygen Index	27	%	ISO 4589-2

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	158 to 176	°F
Drying Time	2.0 to 4.0	hr
Processing (Melt) Temp	356 to 428	°F
Mold Temperature	104 to 176	°F

Notes

¹ Typical properties: these are not to be construed as specifications.

² Self-Extinguishing