



Polyflam RIPP 3125 BLK

LyondellBasell Industries - Polypropylene Copolymer

General Information

Product Description

25% talc filled flame retardant PP copolymer compound without PBDE

General

Filler / Reinforcement	• Talc, 25% Filler by Weight
Additive	• Flame Retardant
Features	• Copolymer • Flame Retardant
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.40	g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	12	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	348000	psi	ISO 527-1/1A/1
Tensile Stress (Yield)	2470	psi	ISO 527-2/1A/50
Tensile Strain (Yield)	2.0	%	ISO 527-2/1A/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-22°F	0.95	ft·lb/in ²	
73°F	4.8	ft·lb/in ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-22°F	6.2	ft·lb/in ²	
73°F	18	ft·lb/in ²	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	207	°F	ISO 75-2/Bf
Deflection Temperature Under Load 264 psi, Unannealed	135	°F	ISO 75-2/Af
Vicat Softening Temperature			
--	136	°F	ISO 306/B50
--	280	°F	ISO 306/A120
Ball Pressure Test (212°F)	Pass		IEC 60695-10-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+15	ohms	IEC 60093
Volume Resistivity	> 1.0E+13	ohms·m	IEC 62631-3-1
Comparative Tracking Index	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flammability Classification (0.06 in)	V-0		IEC 60695-11-10, -20
Glow Wire Flammability Index			IEC 60695-2-12
0.06 in	1760	°F	
0.12 in	1760	°F	

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Flammability	Nominal Value	Unit	Test Method
Glow Wire Ignition Temperature			IEC 60695-2-13
0.06 in	1250	°F	
0.12 in	1250	°F	
Oxygen Index	27	%	ISO 4589-2