



Polyflam RPP 3120 V025 CS1 GRY60305

LyondellBasell Industries - Polypropylene Homopolymer

General Information

Product Description

20% talc filled flame retardant PP homolymer compound.

General

Filler / Reinforcement	• Talc, 20% Filler by Weight
Additive	• Copper Stabilizer • Flame Retardant
Features	• Copper Contact Stabilized • Flame Retardant • Homopolymer
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.32	g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	17	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	464000	psi	ISO 527-1/1A/1
Tensile Stress (Yield)	3770	psi	ISO 527-2/1A/50
Tensile Strain (Yield)	3.0	%	ISO 527-2/1A/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-22°F	0.76	ft·lb/in ²	
73°F	1.1	ft·lb/in ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-22°F	4.8	ft·lb/in ²	
73°F	10	ft·lb/in ²	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	246	°F	ISO 75-2/Bf
Deflection Temperature Under Load 264 psi, Unannealed	158	°F	ISO 75-2/ Af
Vicat Softening Temperature			
--	212	°F	ISO 306/B50
--	297	°F	ISO 306/A50
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
Burning Rate ²			
0.0787 in	0.0	in/min	FMVSS 302
0.0787 in	0.0	in/min	ISO 3795
Flammability Classification			IEC 60695-11-10, -20
0.10 in	V-0		
0.12 in	V-0		

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Flammability	Nominal Value	Unit	Test Method
Glow Wire Flammability Index			IEC 60695-2-12
0.10 in	1760	°F	
0.12 in	1760	°F	
Glow Wire Ignition Temperature			IEC 60695-2-13
0.10 in	1290	°F	
0.12 in	1290	°F	

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