

Polyflam RPP 1058-5493 Orange

LyondellBasell Industries - Polypropylene Homopolymer

General Information

Product Description

Homopolymer polypropylene flame retardant with a V-2 flammability rating.

General

Additive	• Flame Retardant
Features	• Flame Retardant
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.952		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0 to 7.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	4350	psi	ASTM D638
Tensile Elongation ² (Break)	200	%	ASTM D638
Flexural Modulus ³	174000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	0.56	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	203	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed	131	°F	ASTM D648
RTI Elec (0.03 to 0.12 in)	221	°F	UL 746B
RTI Imp (0.03 to 0.12 in)	221	°F	UL 746B
RTI Str (0.03 to 0.12 in)	221	°F	UL 746B
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.030 in		V-2	
0.06 in		V-2	
0.12 in		V-2	

Notes

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

² 2.0 in/min

³ 0.051 in/min