

Polyflam RPP 1058X Natural

LyondellBasell Industries - Polypropylene

General Information

Product Description

PP Unfilled Flame Retardant PBDE-Free

General

Additive	• Flame Retardant
Features	• Flame Retardant

Properties¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.00		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	4500	psi	ASTM D638
Tensile Elongation ² (Break)	80	%	ASTM D638
Flexural Modulus ³	232000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	0.84	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	126	°F	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-2		UL 94

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	180	°F
Drying Time	4.0	hr
Rear Temperature	351 to 399	°F
Middle Temperature	351 to 399	°F
Front Temperature	351 to 424	°F
Nozzle Temperature	351 to 424	°F
Processing (Melt) Temp	351 to 424	°F
Mold Temperature	90 to 151	°F
Injection Rate	Slow-Moderate	
Back Pressure	< 99.9	psi
Cushion	0.250 to 0.500	in

Notes

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

² 2.0 in/min

³ 0.051 in/min