

# Polyflam RPP 1058X-31 BLK

LyondellBasell Industries - Polypropylene

## General Information

### Product Description

PP Unfilled Flame Retardant PBDE-Free

### General

Additive	• Flame Retardant
Features	• Flame Retardant

## Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.00		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>2</sup> (Yield)	4500	psi	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	80	%	ASTM D638
Flexural Modulus <sup>3</sup>	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

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 2.0 in/min

<sup>3</sup> 0.051 in/min