

Technical Data Sheet

Polyflam RPP 1058X-31 BLK



Polypropylene, Unspecified (PP, Unspecified)

Product Description

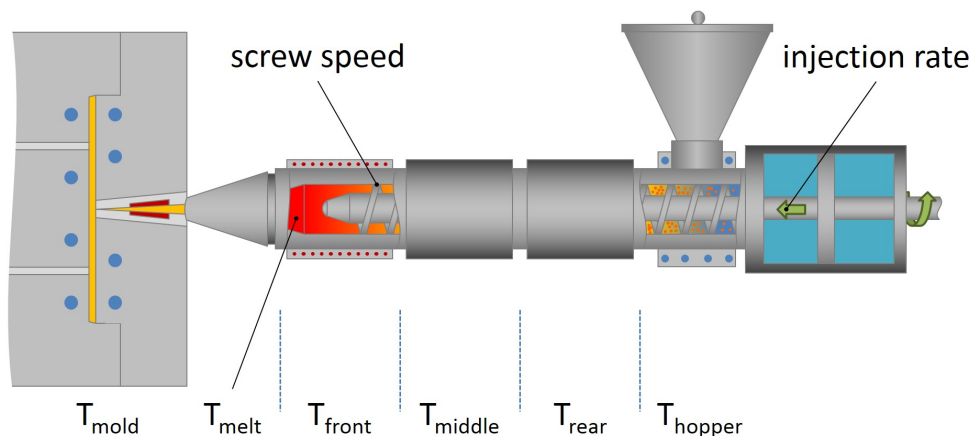
PP Unfilled Flame Retardant PBDE-Free

Regulatory Status

For regulatory compliance information, see *Polyflam RPP 1058X-31 BLK* [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	North America
Additive	Flame Retardant

Typical Properties	Nominal Value	Units	Test Method
Physical			
Density - Specific Gravity	1	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield, (50 mm/min)	31.0	MPa	ASTM D638
Flexural Modulus, (1.3 mm/min)	1600	MPa	ASTM D790
Tensile Elongation at Break, (50 mm/min)	80	%	ASTM D638
Impact			
Notched Izod Impact	45	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	52	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	95	°C	ASTM D648
Additional Information			
Filler Content	4.5	%	ASTM D5630
UL Information			
Flame Rating	V-2		UL 94



Injection Parameters	Nominal Value	Units
Drying Time	4	hr
Drying Temperature	82	°C
Nozzle Temperature	177 to 218	°C
Processing (Melt) Temp	177 to 218	°C
Front Temperature	177 to 218	°C
Middle Temperature	177 to 204	°C
Rear Temperature	177 to 204	°C
Injection Rate	Slow-Moderate	
Back Pressure	<0.689	MPa
Mold Temperature	32 to 66	°C
Cushion	6.35 to 12.7	mm

Notes

These are typical property values not to be construed as specification limits.

Processing notes

Melt contacting surfaces should be made of a high quality, corrosive resistant steel. Positive experiences have been made with steel qualities containing > 12% chromium.

Avoid processing at very barrel high temperatures or above the recommended melt temperature range as this can increase risk of deposit onto the tool surfaces. Avoid long residence times. At start and end of production, it is recommended to purge clean with non-flame retardant polymer or a polyolefin.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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