

Technical Data Sheet

Polyflam RIPP 3230 30V1 GRY64540



Polypropylene Copolymer

Product Description

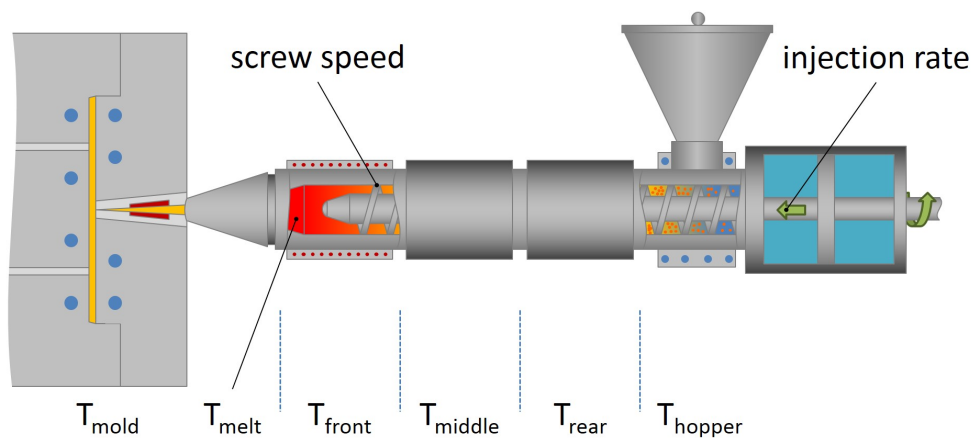
30% glass fiber reinforced flame retardant PP copolymer compound

Regulatory Status

For regulatory compliance information, see *Polyflam* RIPP 3230 30V1 GRY64540 [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Developmental
Availability	Europe
Processing Method	Injection Molding
Attribute	Copolymer
Additive	Flame Retardant
Filler/Reinforcement	Glass Fiber, 30%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate, (230 °C/2.16 kg)	4.0	cm ³ /10 min	ISO 1133
Density, (Method A)	1.42	g/cm ³	ISO 1183
Mechanical			
Tensile Strain at Break	5	%	ISO 527-2
Flexural Modulus	7000	MPa	ISO 178
Tensile Stress at Break	61	MPa	ISO 527-2
Tensile Modulus, (1 mm/min, Type 1A)	7300	MPa	ISO 527-1
Impact			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	13	kJ/m ²	ISO 179
Charpy Impact Strength - Unnotched, (23 °C, Type 1, Edgewise)	51	kJ/m ²	ISO 179
Hardness			
Ball Pressure Test, (100 °C)	Pass		IEC 60695-10-2
Thermal			
Vicat Softening Temperature			
(B (50N), 50 °C/h)	101	°C	ISO 306
(A (10N), 120 °C/h)	159	°C	ISO 306
Electrical			
Volume Resistivity	>1.0E+13	ohm*m	IEC 62631-3-1
Comparative Tracking Index (CTI)	600	V	IEC 60112
Surface Resistivity	>1.0E+15	ohm	IEC 60093
UL Information			
Flammability Classification, (3.0 mm)	V-1		IEC 60695-11-10, -20



Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 4.0	hr
Drying Temperature	70 to 80	°C
Processing (Melt) Temp	210 to 230	°C
Mold Temperature	40 to 80	°C

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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