Technical Data Sheet

Polyflam RIPP 3000 U 30V0 BLK

Polypropylene Copolymer

Product Description

***Polyflam* RIPP 3000 U 30V0 BLK** is an unfilled flame retardant PP copolymer compound with UV stabilization package.

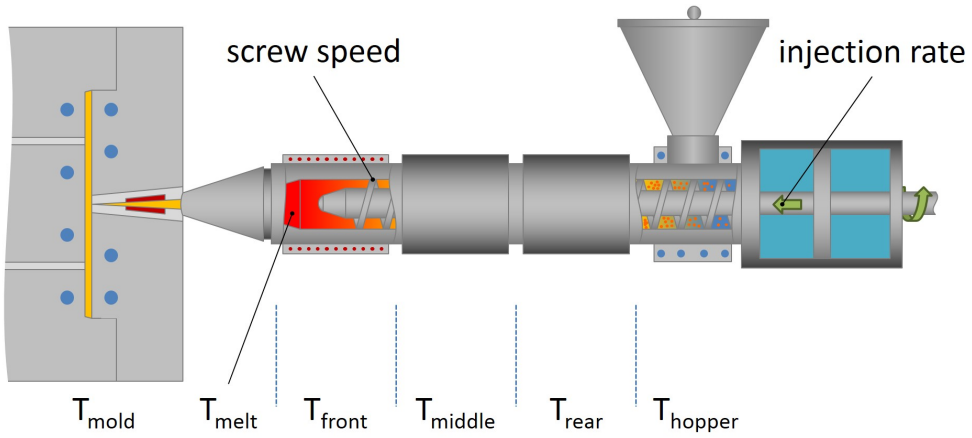
Regulatory Status

For regulatory compliance information, see *Polyflam* RIPP 3000 U 30V0 BLK Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	Europe
Processing Method	Injection Molding
Attribute	Copolymer; UV Stabilized
Additive	Flame Retardant
Resin ID	PP FR(17)

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate, (230 °C/2.16 kg)	14	cm³/10 min	ISO 1133
Density, (Method A)	1.1	g/cm³	ISO 1183
Mechanical			
Tensile Modulus, (1 mm/min, Type 1A)	1200	MPa	ISO 527-1
Tensile Strain at Yield, (Type 1A, 50 mm/min)	8	%	ISO 527-2
Tensile Stress at Yield, (Type 1A, 50 mm/min)	23	MPa	ISO 527-2
Tensile Stress at Break	18	MPa	ISO 527-2
Impact			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	5.2	kJ/m²	ISO 179
Charpy Impact Strength - Unnotched, (23 °C, Type 1, Edgewise)	No Break		ISO 179
Thermal			
Vicat Softening Temperature, (A (10N))	145	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa)	90	°C	ISO 75-2/B
Electrical			
Surface Resistivity	>1.0E+15	ohm	IEC 60093
Volume Resistivity	>1.0E+13	ohm*cm	IEC 62631-3-1
Comparative Tracking Index (CTI)	600	V	IEC 60112
Flammable			
Glow Wire Flammability Index			
(1.5 mm)	960	°C	IEC 60695-2-12
(3.0 mm)	960	°C	IEC 60695-2-12
UL Information			
Flammability Classification, (3.2 mm)	V-0		IEC 60695-11-10, -20

Manufacturer website: https://www.lyondellbasell.com/en/



Injection Parameters	Nominal Value	Units
Drying Temperature	70 to 80	°C
Drying Time	2.0 to 4.0	hr
Suggested Max Moisture	0.1	%
Rear Temperature	180	°C
Middle Temperature	200	°C
Front Temperature	210	°C
Nozzle Temperature	220	°C
Processing (Melt) Temp	180 to 220	°C
Mold Temperature	40 to 80	°C
Holding Pressure	40.0 to 90.0	MPa
Back Pressure	5.00 to 10.0	MPa
Injection Pressure	80.0 to 120	MPa
Injection Rate	Slow-Moderate	
Cushion	<5.00	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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