

Technical Data Sheet



Polyflam RPP 1729

Polypropylene
LyondellBasell Industries
Engineering Plastics

Product Description

RPP 1729 is an unfilled, flame retardant, and heat stabilized PP compound. It is well suited for injection molding applications.

General

Material Status	• Commercial: Active		
Availability	• North America		
Features	• Flame Retardant	• Heat Stabilized	• Without Fillers
Processing Method	• Injection Molding		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.03	1.03 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	17 g/10 min	17 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength ¹ (Yield, 73°F (23°C))	5190 psi	35.8 MPa	ASTM D638
Tensile Elongation ¹ (Yield, 73°F (23°C))	140 %	140 %	ASTM D638
Flexural Modulus ² (73°F (23°C))	219000 psi	1510 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	0.63 ft·lb/in	34 J/m	ASTM D256
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 66 psi (0.45 MPa), Unannealed	203 °F	95.0 °C	ASTM D648
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating (0.03 in (0.8 mm))	V-0	V-0	UL 94

Notes

¹ 2.0 in/min (50 mm/min)

² 0.079 in/min (2.0 mm/min)

Notes

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

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.

Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

Company Information

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

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