

## 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 <sup>3</sup>	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 <sup>1</sup> (Yield, 73°F (23°C))	5190 psi	35.8 MPa	ASTM D638
Tensile Elongation <sup>1</sup> (Yield, 73°F (23°C))	140 %	140 %	ASTM D638
Flexural Modulus <sup>2</sup> (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

<sup>1</sup> 2.0 in/min (50 mm/min)

<sup>2</sup> 0.079 in/min (2.0 mm/min)

### Notes

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