

Technical Data Sheet

Polyflam RPP 1021

Polypropylene
LyondellBasell Industries
Engineering Plastics

Product Description

PP Unfilled Flame Retardant PBDE-Free

General

Material Status	• Commercial: Active
Availability	• North America
Features	• Flame Retardant

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.932	0.930 g/cm ³	ASTM D792
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength ¹ (Yield)	4060 psi	28.0 MPa	ASTM D638
Tensile Elongation ¹ (Break)	300 %	300 %	ASTM D638
Flexural Modulus ²	189000 psi	1300 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	1.6 ft·lb/in	85 J/m	ASTM D256
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	181 °F	83.0 °C	
264 Psi (1.8 Mpa), Unannealed	122 °F	50.0 °C	
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating	V-2	V-2	UL 94

Notes

¹ 2.0 in/min (50 mm/min)

² 0.051 in/min (1.3 mm/min)

Notes

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