

Technical Data Sheet

Polyflam RPP 1477NB

Polypropylene
LyondellBasell Industries
Engineering Plastics

Product Description

Extrusion PP Unfilled Flame Retardant PBDE-Free

General

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

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.962	0.960 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)	160 %	160 %	ASTM D638
Flexural Modulus ²	189000 psi	1300 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	12 ft·lb/in	650 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	185 °F	85.0 °C	
264 Psi (1.8 Mpa), Unannealed	126 °F	52.0 °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.