

Technical Data Sheet

Polyflam RPP 1058X

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	1.00	1.00 g/cm ³	ASTM D792
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength ¹ (Yield)	4500 psi	31.0 MPa	ASTM D638
Tensile Elongation ¹ (Break)	80 %	80 %	ASTM D638
Flexural Modulus ²	232000 psi	1600 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	0.84 ft·lb/in	45 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	203 °F	95.0 °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
Additional Information	Nominal Value (English)	Nominal Value (SI)	Test Method
Filler Content	4.5 %	4.5 %	ASTM D5630

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.