

Technical Data Sheet

Polyflam RPP 1058M

Polypropylene
LyondellBasell Industries
Engineering Plastics

Product Description
PP 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	0.962	0.960 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	12 g/10 min	12 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength ¹ (Yield)	4640 psi	32.0 MPa	ASTM D638
Tensile Elongation ¹ (Break)	50 %	50 %	ASTM D638
Flexural Modulus ²	236000 psi	1630 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	0.94 ft·lb/in	50 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	199 °F	93.0 °C	
264 Psi (1.8 Mpa), Unannealed	129 °F	54.0 °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	3.5 %	3.5 %	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.