

Technical Data Sheet

# Polyflam RPP 1058UH

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	0.962	0.960 g/cm <sup>3</sup>	ASTM D792
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength <sup>1</sup> (Yield)	3770 psi	26.0 MPa	ASTM D638
Tensile Elongation <sup>1</sup> (Break)	400 %	400 %	ASTM D638
Flexural Modulus <sup>2</sup>	174000 psi	1200 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	0.67 ft·lb/in	36 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	172 °F	78.0 °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
Additional Information	Nominal Value (English)	Nominal Value (SI)	Test Method
Filler Content	3.5 %	3.5 %	ASTM D5630

**Notes**  
<sup>1</sup> 2.0 in/min (50 mm/min)  
<sup>2</sup> 0.051 in/min (1.3 mm/min)

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