

POLYFLAM® RPP 1477NB

Polypropylene

A. Schulman Inc. [Web](#)**Prospector**

Celebrating 25 Years

Product Description

Extrusion PP Unfilled Flame Retardant PBDE-Free

General

Material Status	• Commercial: Active
Literature ¹	• Technical Datasheet (English)
Availability	• North America
Features	• Flame Retardant
Processing Method	• Extrusion

Physical

	Nominal Value	Unit	Test Method
Specific Gravity	0.962		ASTM D792
Molding Shrinkage - Flow ²	0.021	in/in	Internal Method

Mechanical

	Nominal Value	Unit	Test Method
Tensile Strength ³ (Yield)	4060	psi	ASTM D638
Tensile Elongation ³ (Break)	160	%	ASTM D638
Flexural Modulus ⁴	189000	psi	ASTM D790

Impact

	Nominal Value	Unit	Test Method
Notched Izod Impact	12	ft-lb/in	ASTM D256

Thermal

	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
66 psi, Unannealed	185	°F	
264 psi, Unannealed	126	°F	

Flammability

	Nominal Value	Test Method
Flame Rating - UL	V-2	UL 94

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² 5x7 in plaque

³ 2.0 in/min

⁴ 0.051 in/min



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Revision History

Added to Prospector: November, 2009

Last Updated: 12/2/2009

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