

A. Schulman POLYTROPE™ TPP 620 Olefinic Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE , Olefinic TPE

Material Notes:

Description Polytrope TPP 620 is an olefinic elastomer developed to exhibit very low thermal expansion, high DOI on painted parts with good low temperature impact properties. Application TPP 620 is designed for applications such as body side claddings, rocker panels and grilles.

Information provided by A. Schulman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_A-Schulman-POLYTROPE-TPP-620-Olefinic-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.09 g/cc	1.09 g/cc	ASTM D792
Linear Mold Shrinkage	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	as molded
	0.0080 cm/cm	0.0080 in/in	± 0.1 after 60 min. at 120°C
Melt Index of Compound	10 g/10 min	10 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	60	60	ASTM D2240
Tensile Strength, Yield	17.2 MPa	2500 psi	ASTM D638
Elongation at Yield	35 %	35 %	ASTM D638
Flexural Modulus	1.38 GPa	200 ksi	ASTM D790
Gardner Impact	12.4 J	9.15 ft-lb	
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Impact	320	320	J/m, Charpy Notched Impact; ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	32.0 µm/m-°C	17.8 µin/in-°F	ASTM D696
	@Temperature -30.0 - 100 °C	@Temperature -22.0 - 212 °F	

Descriptive Properties	Value	Comments
Heat Sag	0.5 mm	1 hr at 120°C, 4 in over hang

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