

A. Schulman POLYTROPE™ TPP 615 Olefinic Elastomer

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

Material Notes:

Description Polytrope TPP 615 is an olefinic elastomer developed to exhibit very low thermal expansion, high DOI on painted parts with good low temperature impact properties. Application TPP 615 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-615-Olefinic-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.08 g/cc	1.08 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	8.0 g/10 min	8.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	55	55	ASTM D2240
Tensile Strength, Yield	13.8 MPa	2000 psi	ASTM D638
Elongation at Yield	50 %	50 %	ASTM D638
Flexural Modulus	1.03 GPa	150 ksi	ASTM D790
Gardner Impact	22.6 J	16.7 ft-lb	
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Impact	400	400	J/m, Charpy Notched Impact; ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	27.0 µm/m-°C	15.0 µin/in-°F	
	@Temperature -30.0 - 100 °C	@Temperature -22.0 - 212 °F	ASTM D696

Descriptive Properties	Value	Comments
Heat Sag	1.78 mm	1 hr at 120°C, 4 in over hang

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