

A. Schulman POLYTROPE™ TPP 608 Olefinic Elastomer

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

Material Notes:

Description Polytrope TPP 608 is an olefinic elastomer exhibiting low thermal expansion, low heat sag and high DOI on painted parts.

Application TPP 608 is designed specifically for automotive fascias. Information provided by A. Schulman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_A-Schulman-POLYTROPE-TPP-608-Olefinic-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.990 g/cc	0.990 g/cc	ASTM D792
Linear Mold Shrinkage	0.0080 - 0.010 cm/cm	0.0080 - 0.010 in/in	as molded
	0.011 cm/cm	0.011 in/in	± 0.1 after 30 min. at 120°C
Melt Index of Compound	9.0 g/10 min	9.0 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 Break	500 %	500 %	ASTM D527
Flexural Modulus	0.552 GPa	80.0 ksi	ASTM D790
Gardner Impact	36.0 J @Temperature -30.0 °C	26.6 ft-lb @Temperature -22.0 °F	
Impact	651	651	J/m, Charpy Notched Impact; ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	45.0 µm/m-°C @Temperature -30.0 - 100 °C	25.0 µin/in-°F @Temperature -22.0 - 212 °F	ASTM D696

Descriptive Properties	Value	Comments
Heat Sag	2.29 mm	1 hr at 120°C, 4 in over hang

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