

A. Schulman POLYTROPE™ TPP 1010HF-01 Injection Molding Reactor Grade Olefinic Thermoplastic Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE , Olefinic TPE , Thermoplastic Olefinic Elastomer (TPO)

Material Notes:

Description Polytrope TPP 1010HF-01 is an injection molding reactor grade olefinic thermoplastic elastomer (TPO). This product has excellent low temperature impact properties and flow characteristics suitable for molding large automotive parts such as fascias and air dams. Information provided by A. Schulman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_A-Schulman-POLYTROPE-TPP-1010HF-01-Injection-Molding-Reactor-Grade-Olefinic-Thermoplastic-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.890 g/cc	0.890 g/cc	ASTM D792
Linear Mold Shrinkage	0.013 cm/cm	0.013 in/in	±0.1 after 30 min.; ASTM D1238
	0.017 cm/cm	0.017 in/in	± 0.1 at 120°C; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	59	59	ASTM D2240
Tensile Strength at Break	19.3 MPa	2800 psi	ASTM D638
Elongation at Break	650 %	650 %	ASTM D638
Flexural Modulus	0.689 GPa	100 ksi	ASTM D790
Gardner Impact	48.0 J	35.4 ft-lb	
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-36.0 °C	-32.8 °F	

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