

Spartech Formalloy LG Low-Gloss TPO Alloy Specialty Sheet

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

Material Notes:

Description: Specialty Sheet Information provided by Spartech.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Spartech-Formalloy-LG-Low-Gloss-TPO-Alloy-Specialty-Sheet.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.09 g/cc	1.09 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65	65	ASTM D2240
Tensile Strength at Break	22.1 MPa	3200 psi	ASTM D638
Elongation at Break	200 %	200 %	ASTM D638
Flexural Modulus	1.52 GPa	220 ksi	ASTM D790
Falling Dart Impact	>= 39.54 J	>= 29.16 ft-lb	-30°F; ASTM D3029

Thermal Properties	Metric	English	Comments
CTE, linear	108 $\mu\text{m/m-}^{\circ}\text{C}$ @Temperature 20.0 $^{\circ}\text{C}$	60.0 $\mu\text{in/in-}^{\circ}\text{F}$ @Temperature 68.0 $^{\circ}\text{F}$	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	82.2 $^{\circ}\text{C}$	180 $^{\circ}\text{F}$	ASTM D648

Optical Properties	Metric	English	Comments
Gloss	35 - 40 %	35 - 40 %	Gardner; ASTM D2523

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