

Dow DT702 TPO

Category : Polymer , Thermoplastic , Elastomer , TPE

Material Notes:

Dow Fascia TPO for Painted Applications Information provided by Dow

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-DT702-TPO.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.901 g/cc	0.901 g/cc	ASTM D792
Linear Mold Shrinkage	0.0044 - 0.0048 cm/cm	0.0044 - 0.0048 in/in	Unannealed; ASTM D955
	0.0050 - 0.0055 cm/cm	0.0050 - 0.0055 in/in	Annealed; ASTM D955
Melt Flow	13.5 g/10 min	13.5 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	16.1 MPa	2340 psi	ASTM D638
Tensile Strength, Yield	20.3 MPa	2950 psi	ASTM D638
Elongation at Break	564 %	564 %	ASTM D638
Elongation at Yield	5.6 %	5.6 %	ASTM D638
Tensile Modulus	1.04 GPa	151 ksi	ASTM D638
Flexural Modulus	1.02 GPa	148 ksi	ASTM D790A
Izod Impact, Notched	1.23 J/cm	2.30 ft-lb/in	0°F; ASTM D256A
	1.87 J/cm	3.50 ft-lb/in	32°F; ASTM D256A
	5.87 J/cm	11.0 ft-lb/in	72°F; ASTM D256A
Impact Test	18.2 J	13.4 ft-lb	ID Impact @ 5mph, Peak Energy; ASTM D3763-86
	31.6 J	23.3 ft-lb	ID Impact @ 5mph, Total Energy; ASTM D3763-86

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