

Applied Composites 8072 Polyester SMC

Category : Polymer , Thermoset , Filled/Reinforced Thermoset , Polyester, TS , Thermoset Polyester Glass SMC

Material Notes:

Industry Application: TransportationProduct Application: AutomotiveDistinct Features: Zero Shrink, Superior Class A Finish, Improved Impact, Accepts Mold CoatingInformation provided by Applied Composites Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Applied-Composites-8072-Polyester-SMC.php

Physical Properties	Metric	English	Comments
Density	1.88 g/cc	0.0679 lb/in ³	ASTM D792
Water Absorption	0.20 %	0.20 %	ASTM D570
Linear Mold Shrinkage	0.00 cm/cm	0.00 in/in	Cold Part VS Cold Tool; ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	35	35	ASTM D2583
Hardness, Rockwell M	102	102	ASTM D785
Tensile Strength, Ultimate	68.9 MPa	10000 psi	ASTM D638
Tensile Modulus	11.7 GPa	1700 ksi	ASTM D638
Flexural Strength	148 MPa	21500 psi	ASTM D790
Flexural Modulus	6.89 GPa	1000 ksi	Tangent; ASTM D790
Izod Impact, Notched	9.61 J/cm	18.0 ft-lb/in	ASTM D256
Taber Abrasion, mg/1000 Cycles	0.10	0.10	% Loss 1000 Cycles; FTMS1091

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	>= 204 °C	>= 400 °F	Flexural Load; ASTM D648

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