

Applied Composites 8092 Polyester SMC

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

Material Notes:

Industry Application: Construction
Product Application: Building Products
Distinct Features: Pigmentable, High Molding Efficiency, Low Thermal Expansion
Information provided by Applied Composites Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Applied-Composites-8092-Polyester-SMC.php

Physical Properties	Metric	English	Comments
Density	1.90 g/cc	0.0686 lb/in ³	ASTM D792
Water Absorption	0.20 %	0.20 %	ASTM D570
Linear Mold Shrinkage	0.0010 cm/cm	0.0010 in/in	Cold Part VS Cold Tool; ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	115	115	ASTM D785
Tensile Strength, Ultimate	48.3 MPa	7000 psi	ASTM D638
Tensile Modulus	10.3 GPa	1500 ksi	ASTM D638
Flexural Strength	138 MPa	20000 psi	ASTM D790
Flexural Modulus	8.27 GPa	1200 ksi	Tangent; ASTM D790
Izod Impact, Notched	8.54 J/cm	16.0 ft-lb/in	ASTM D256
Taber Abrasion, mg/1000 Cycles	0.20	0.20	% Loss 1000 Cycles; FTMS1091

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