Premix Premi-Glas® 7203-28 28% Glass Reinforced Polyester SMC (discontinued **)

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

Material Notes:

Description: Premi-Glas® 7203-28 is a low profile, 28% glass reinforced polyester Sheet Molding Compound designed for automotive structural vehicle body panel applications that require high flexural strength and impact properties.Key features and benefits: Inmold and powder coating capable, accepts standard automotive primers and top coatsMolded panels have increased resiliency for improved impact propertiesPigmentable system provides uniform base colors for exterior and interior applicationsMolds in deep draw, 0 shrink production toolingExceptionally low process times in compression moldingMarket: General Purpose/Consumer/RecreationalInformation provided by Premix.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Premix-Premi-Glas-7203-28-28-Glass-Reinforced-Polyester-SMC-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.80 g/cc	1.80 g/cc	ASTM D792
Linear Mold Shrinkage	0.00020 cm/cm	0.00020 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	68.9 MPa	10000 psi	ASTM D638
Elongation at Break	1.0 %	1.0 %	ASTM D638
Tensile Modulus	15.2 GPa	2200 ksi	tangent; ASTM D638
Flexural Strength	169 MPa	24500 psi	ASTM D790-1
Flexural Modulus	10.3 GPa	1500 ksi	Tangent; ASTM D790-1
Poissons Ratio	0.30	0.30	
Izod Impact, Notched	7.47 J/cm	14.0 ft-lb/in	ASTM D256
Izod Impact, Unnotched	9.61 J/cm	18.0 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
CTE, linear	36.0 µm/m-°C @Temperature 20.0 °C	20.0 µin/in-°F @Temperature 68.0 °F	Z-direction
CTE, linear, Transverse to Flow	27.0 µm/m-°C @Temperature 20.0 °C	15.0 µin/in-°F @Temperature 68.0 °F	XY-direction
Specific Heat Capacity	0.335 J/g-°C	0.0800 BTU/lb-°F	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.300 W/m-K	2.08 BTU-in/hr-ft²-°F	

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