

PremierUV VSC-22

Sheet Molding Compound

PRODUCT DESCRIPTION

Glass fiber reinforced Polyester SMC suitable for use in applications requiring excellent weathering/UV resistance, including tactile warning surfaces.

GENERAL

Material Status	• Commercial: Active		
Availability	• North America	• South America	
Filler/Reinforcement	• Glass Fiber and mineral filler		
Features	• Superior resistance to color fade • Good dimensional stability • Outstanding flow		
Processing Method	• This SMC product is generally intended to be compression molded in matched metal die molds, typically at 300°F (150°C) and 500 to 1,000 psi (35-65 BAR) molding pressure. Strength values may be affected by the molding process.		
Resin	• Unsaturated Polyester Composite		

PHYSICAL

	Typical	Unit	Test Method
Density	1.68-1.74	g/cm ³	ASTM D792
Mold Shrinkage (RT mold/RT part)	.001-.00175	in/in	ASTM D955

MECHANICAL (As cut)

	Typical	Unit	Test Method
Tensile Modulus	1.44 x 10 ⁶ (9.95)	psi (GPa)	ASTM D638
Tensile Strength	7,100 (49)	psi (MPa)	ASTM D638
Flexural Modulus (RT)	1.19 x 10 ⁶ (8.2)	psi (GPa)	ASTM D790
Flexural Strength	17,500 (124)	psi (MPa)	ASTM D790

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IMPACT	Typical	Unit	Test Method
Izod Notched Impact Strength	6.99 (373)	ft-lb/in (J/m)	ASTM D256

ELECTRICAL	Typical	Unit	Test Method
Dielectric Strength	260 (10.2)	Volts/mil (kV/mm)	ASTM D149
Arc Track Resistance	190+	seconds	ASTM D495

For additional information, please contact:

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