

NEW PRODUCT DEVELOPMENT

Preliminary Data Sheet

TECAMAX™ SRP - Self Reinforcing Polymer



Key Attributes: Ultra High Strength to Weight Ratio
Homogenous, Amorphous & Isometric
High Modulus, High Creep Resistance & Low CTE
Low Moisture Pick-Up & Excellent Chemical Resistance
Exceptional Abrasion Resistance

Property	ASTM Method	Units	Value
Density		g/cc	1.21
Tensile Strength @ yield	D 3039	psi	30,000
Tensile Modulus	D 3039	psi	1,200,00
Flexural Strength	D 790	psi	40,000
Flexural Modulus	D 790	psi	1,200,000
Compressive Strength	D 695	psi	> 90,000
Notched Izod Impact	D 256	ft-lbs/in	1.0
Rockwell Hardness	D 785	B-scale	80
Water Absorption	D 570	%	.3%
Glass Transition Temp.	D 3418	°F	311
Heat Deflection Temperature @ 264 psi	D 648	°F	302
Coefficient of Linear Thermal Expansion	D 696	10 ⁻⁶ in/in/°F	2.3
Limiting Oxygen Index		%	42

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