

# 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 <sup>-6</sup> in/in/°F	2.3
Limiting Oxygen Index		%	42

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