

EcoPoxy Systems

SCL9015-179

Data Summary for Resin Casting

ASTM D 638 elong Tensile Strength and Modulus with Elongation

Tensile Strength	9692 psi
Tensile Modulus	0.3934 Mpsi
Elongation at Yield	3.65 %
Tensile Yield Strength at 0.2% Offset	9022 psi

ASTM D 790 Flexural Strength / Modulus

Flexural Strength	14434 psi
Flexural Modulus	0.4398 Mpsi
Load per Inch Width	73 lb/in

ASTM D 695 Compressive Strength/Modulus

Compressive Strength	11409 psi
Compressive Modulus	0.3639 Mpsi

Shore-D Shore-D Hardness

Hardness	82.2
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ASTM D 648 Heat Deflection Temperature

Deflection Temperature (°C)	47.2 °C
Deflection Temperature (°F)	116.9 °F

ISO 11357-2 DSC

Tg1	64.0 °C
Tg2	86.4 °C
Delta Tg	22.4 °C

Notes on testing:

Structural Composites certifies that the test results contained herein are true and accurate within the limits of the measuring devices employed. All load and strain measuring devices are calibrated according to ASTM E 4 and ASTM E 83. The test equipment is calibrated with standards traceable to NIST.

Eric J. Roehl
Director of Testing Services

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