

Mechanical Properties

	Method	Value
Ultimate Tensile Strength	ASTM D638-IV	59.2 MPa
Elongation at Break	ASTM D638-IV	2.5%
Elastic Modulus	ASTM D638-IV	2.7 GPa
Flexural Strength	ASTM D790	71.7 MPa
Flexural Modulus	ASTM D790	2.4 GPa
Shore Hardness	ASTM D2240	81 D

Thermal Properties

	Method	Value
HDT @ 0.45 MPa	ASTM D648	130 °C
HDT @ 1.82 MPa	ASTM D648	116 °C
Glass Transition Temperature	ASTM D38418	131 °C

Other

	Method	Value
Density	ASTM D792	1.21 g/cm ³
Cryptoxity	ISO 10993-5	Pass (24 h)

Solvent Compatibility

	Method	Value
Solvent		% Weight Gain (5 Days)
Isopropyl Alcohol	-	-0.029
Acetone	-	0.514
Ethanol	-	0.481
Sulfuric Acid	-	0.424
NaOH (20% w/w)	-	0.578
Nitric Acid (2% aq)	-	0.742
Toluene	-	0.06
Pennzoil SAE 10W-30 Motor Oil	-	0.096
Synthetic Sea Water	-	0.255
Bleach	-	0.347

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