

# DEEPWATER

## Technical Specifications I-Rod® (high impact thermoplastic)

Property Value	Units	ASTM Test	Value
Density, 73° F	-	D792	1.41
Tensile Strength, 73° F	psi	D638	9,800
Tensile Modulus of Elasticity, 73° F	psi	D638	440,000
Elongation (at break), 73° F	%	D638	30-60
Flexural Modulus of Elasticity, 73° F	psi	D790	455,000
Flexural Strength, 73° F	psi	D790	13,800
Compressive Strength, 10% def, 73° F	psi	D695	16,000
Coefficient of Friction (dry vs steel) Dynamic		PTM 55007	0.25
IZOD Impact (notched), 73° F	ft-lbs/in of notch	D256	1.5
Hardness, Rockwell, 73° F	-	D785	119-122
Deformation Under Load	%	D621	1.0
Melting Point	°F	D3418	329
Coefficient of Linear Expansion	in/in/°F	E831	5.8 x 10 <sup>-5</sup>
Continuous Service Temperature	°F		194
Heat Deflection Temperature, 264 psi	°F	D648	220
Flammability Rating		VL94	HB
Volume Resistivity	Ohm-cm	D257	1.0 x 10 <sup>15</sup>
Dielectric Strength, Short Term	V/mm	D149	420

The information given herein is believed to be reliable. However, no guarantee or warranty of any kind is implied with respect to accuracy or completeness of these data.