

Goodfellow Carbon/Vinyl Ester Rod

Category : Polymer , Thermoset , Carbon Fiber/Thermoset Composite , Vinyl Ester

Material Notes:

Carbon Fiber - Vinyl ester Matrix Information provided by Goodfellow.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Goodfellow-CarbonVinyl-Ester-Rod.php

Physical Properties	Metric	English	Comments
Density	1.50 - 1.65 g/cc	0.0542 - 0.0596 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	900 - 1200 MPa	131000 - 174000 psi	Longitudinal
Elongation at Break	1.4 %	1.4 %	Longitudinal
Tensile Modulus	136 GPa	19700 ksi	Longitudinal
Flexural Strength	800 - 1000 MPa	116000 - 145000 psi	Longitudinal
Flexural Modulus	65.0 - 85.0 GPa	9430 - 12300 ksi	Longitudinal
Compressive Strength	900 - 1100 MPa	131000 - 160000 psi	Longitudinal

Descriptive Properties	Value	Comments
Volume Fraction Fibers, %	55-60	

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