

Goodfellow Polyaramid/Vinylester Composite Tube or Rod

Category : Polymer , Thermoset , Vinyl Ester

Material Notes:

Information provided by Goodfellow.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Goodfellow-PolyaramidVinylester-Composite-Tube-or-Rod.php

Physical Properties	Metric	English	Comments
Density	1.20 - 1.40 g/cc	0.0434 - 0.0506 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	800 - 1000 MPa	116000 - 145000 psi	Longitudinal
Elongation at Break	2.5 %	2.5 %	Longitudinal
Flexural Strength	150 - 250 MPa	21800 - 36300 psi	Longitudinal
Flexural Modulus	17.0 - 22.0 GPa	2470 - 3190 ksi	Longitudinal
Compressive Strength	100 - 300 MPa	14500 - 43500 psi	Longitudinal

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	80.0 °C	176 °F	
Minimum Service Temperature, Air	-50.0 °C	-58.0 °F	

Descriptive Properties	Value	Comments
Volume Fraction Fibers, %	50-60	

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