

Greene Tweed Orthtek® WF Polyketone, Continuous Woven Carbon Fiber

Category : Polymer , Thermoplastic , Polyketone , Polyetheretherketone (PEEK) , Polyetheretherketone, PEEK, Carbon Fiber Filled

Material Notes:

Greene Tweed offers precision-molded thermoplastic components made from our high-performance Orthtek® composite materials for a variety of demanding medical and biotechnology applications. Orthtek WF components work well as metal replacements due to Orthtek's high strength, low weight, corrosion resistance, and dimensional stability. Orthtek WF is recommended for applications such as nail guides and retractors where radiolucency and autoclaving are required. Applications: Medical Trauma – External fixation and targeting devices Medical Orthopedic – Reconstructive components, retractors, spine instrumentation and surgical instrumentation Information provided by Greene Tweed.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Greene-Tweed-Orthtek-WF-Polyketone-Continuous-Woven-Carbon-Fiber.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.54 g/cc	1.54 g/cc	ASTM D792
Water Absorption	0.050 %	0.050 %	at 212°F (100°C); ASTM D570

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	627 MPa	91000 psi	ASTM D3039
Elongation at Break	1.0 %	1.0 %	ASTM D3039
Tensile Modulus	60.0 GPa	8700 ksi	ASTM D3039
Flexural Strength	827 MPa	120000 psi	ASTM D790
Flexural Modulus	48.3 GPa	7000 ksi	ASTM D790
Compressive Strength	572 MPa	83000 psi	ASTM D695
Compressive Modulus	55.2 GPa	8000 ksi	ASTM D695

Descriptive Properties	Value	Comments
Color	Black	
Fiber Orientation	[0/90]s	
Fiber Tow Size	3K	
Fiber Volume, %	50	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China