

Greene Tweed Arlon® 1160 PEEK, Glass Filled

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

Material Notes:

Arlon® is a tough, high-temperature, semi-crystalline, thermoplastic presenting a unique combination of mechanical, thermal, chemical and electrical properties. Greene, Tweed uses several proprietary manufacturing and machining processes to ensure that Arlons properties consistently outperform the competition. Greene, Tweed offers several different Arlon materials, and all provide high tensile strength and elongation properties, excellent shear strength and creep resistance, outstanding fatigue resistance, broad chemical and radiation resistance, and no susceptibility to hydrolysis (steam/hot water). Our engineers work one on one with customers to find the right solution for each specific application. Information provided by Greene Tweed.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Greene-Tweed-Arlon-1160-PEEK-Glass-Filled.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.55 g/cc	1.55 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	124	124	ASTM D785
Hardness, Shore D	91	91	ASTM D2240
Tensile Strength at Break	121 MPa	17500 psi	ASTM D368
Elongation at Break	3.5 %	3.5 %	ASTM D638
Tensile Modulus	8.27 GPa	1200 ksi	ASTM D638
Flexural Strength	197 MPa	28500 psi	ASTM D790
Flexural Modulus	7.58 GPa	1100 ksi	ASTM D790

Descriptive Properties	Value	Comments
Color	Gray to Brown	

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