

Arlon® 1160

Polyetheretherketone
Greene, Tweed & Co.

Message:

Greene, Tweed offers precision plastic components for a wide range of demanding medical and biotechnology applications. Arlon 1160, a high-performance, unfilled thermoplastic is ideal for applications requiring wear resistance, corrosion resistance and dimensional stability. Arlon 1160 is preferred over metal because it is lightweight, very nonconductive and autoclavable.

General Information			
Filler / Reinforcement	Glass Fiber		
Features	Autoclavable		
	Ethylene Oxide Sterilizable		
	Good Corrosion Resistance		
	Good Dimensional Stability		
	Good Wear Resistance		
	High Stiffness		
	High Strength		
	Radiation Sterilizable		
	Radiotranslucent		
Uses	Medical/Healthcare Applications		
	Seals		
Appearance	Tan		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.55	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	124		ASTM D785
Durometer Hardness (Shore D)	91		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8270	MPa	ASTM D638
Tensile Strength (Break)	121	MPa	ASTM D638
Tensile Elongation (Break)	3.5	%	ASTM D638
Flexural Modulus	7580	MPa	ASTM D790
Flexural Strength			ASTM D790
--	197	MPa	
Break	0.0228	MPa	

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Recommended distributors for this material

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