

Quadrant EPP Duratron® U2200 PEI Extruded 20% Glass Reinforced Polyetherimide

Category : Polymer , Thermoplastic , Polyetherimide (PEI) , Polyetherimide (PEI), 20% Glass Fiber

Material Notes:

Order this product through the following link:

http://www.lookpolymers.com/polymer_Quadrant-EPP-Duratron-U2200-PEI-Extruded-20-Glass-Reinforced-Polyetherimide.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.41 g/cc	1.41 g/cc	ASTM D792
	@Temperature 22.8 °C	@Temperature 73.0 °F	
Water Absorption	0.20 %	0.20 %	IMMERSION; 24HRS.; ASTM D570 2
Water Absorption at Saturation	1.0 %	1.0 %	ASTM D570 2

Mechanical Properties	Metric	English	Comments
Tensile Strength	117 MPa	17000 psi	ASTM D638
	@Temperature 22.8 °C	@Temperature 73.0 °F	
Elongation at Break	4.0 %	4.0 %	ASTM D638
Flexural Strength	179 MPa	26000 psi	ASTM D790
	@Temperature 22.8 °C	@Temperature 73.0 °F	
Flexural Modulus	4.83 GPa	700 ksi	ASTM D790
	@Temperature 22.8 °C	@Temperature 73.0 °F	
Compressive Strength	193 MPa	28000 psi	ASTM D695
	@Strain 10.0 %, Temperature 22.8 °C	@Strain 10.0 %, Temperature 73.0 °F	
Compressive Modulus	3.45 GPa	500 ksi	ASTM D695
	@Temperature 22.8 °C	@Temperature 73.0 °F	

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	210 °C	410 °F	ASTM D3418

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