

Pyrotek PT-10 Graphite

Category : Carbon , Graphite

Material Notes:

PT-10 Graphite offers the highest resistance to oxidation available. Its unique composition gives it the most durable, long lasting, oxidation resistant properties available from treated graphite. Applications Degassing shafts Stators Pump shafts and posts Advantages High strength Up to 2-3 times the life, depending on the application Information provided by Pyrotek.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Pyrotek-PT-10-Graphite.php

Physical Properties	Metric	English	Comments
Density	1.85 g/cc	0.0668 lb/in ³	
Porosity	6.0 %	6.0 %	

Mechanical Properties	Metric	English	Comments
Flexural Strength	26.0 MPa	3770 psi	across grain
	28.0 MPa	4060 psi	with grain
Compressive Strength	41.0 MPa	5950 psi	across grain
	48.0 MPa	6960 psi	with grain

Thermal Properties	Metric	English	Comments
CTE, linear	3.40 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	1.89 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	with grain
	@Temperature 20.0 °C	@Temperature 68.0 °F	
	4.50 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	2.50 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	across grain
	@Temperature 20.0 °C	@Temperature 68.0 °F	

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