

## Pyrotek S-679 Dense Graphite Material Treated for Oxidation Resistance

Category : Carbon , Graphite

### Material Notes:

S-679 is an isostatically pressed graphite material that is treated to provide oxidation resistance at elevated temperatures. This material performs well in glass contact applications where heat and abrasion cause other materials to fail. Applications Take out tongs Dead plates Sweep out inserts Stacker bar covers Conveyor guides Transfer units Precision machined parts Rollers Advantages Asbestos-free Uniform heat distribution Non-sticking to glass Low heat capacity Long life Compatible in combination with steel or other metals Information provided by Pyrotek.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Pyrotek-S-679-Dense-Graphite-Material-Treated-for-Oxidation-Resistance.php](http://www.lookpolymers.com/polymer_Pyrotek-S-679-Dense-Graphite-Material-Treated-for-Oxidation-Resistance.php)

Physical Properties	Metric	English	Comments
Density	1.842 g/cc	0.06655 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Flexural Strength	68.9 MPa	9990 psi	
Compressive Strength	144.8 MPa	21000 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	2.70 $\mu\text{m/m-}^{\circ}\text{C}$	1.50 $\mu\text{in/in-}^{\circ}\text{F}$	
	@Temperature 21.0 - 982 $^{\circ}\text{C}$	@Temperature 69.8 - 1800 $^{\circ}\text{F}$	
Thermal Conductivity	45.0 W/m-K	312 BTU-in/hr-ft <sup>2</sup> - $^{\circ}\text{F}$	
Maximum Service Temperature, Air	649 $^{\circ}\text{C}$	1200 $^{\circ}\text{F}$	Continuous use
	1288 $^{\circ}\text{C}$	2350 $^{\circ}\text{F}$	

## Contact Songhan Plastic Technology Co.,Ltd.

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