

## SGL Carbon Group V 1626 Graphite

Category : Carbon , Graphite

**Material Notes:**

Good mechanical strength, good sliding properties, high temperature resistance, high thermal shock resistance, low wettability, high corrosion resistance, high thermal conductivity, high purity, and good electrical conductivity. Typical Applications: Vanes for high loaded compressors  
Information provided by SGL Carbon Group

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SGL-Carbon-Group-V-1626-Graphite.php](http://www.lookpolymers.com/polymer_SGL-Carbon-Group-V-1626-Graphite.php)

Physical Properties	Metric	English	Comments
Density	1.85 g/cc	0.0668 lb/in <sup>3</sup>	
Open Porosity	10 %	10 %	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	90	90	Size/Load - 5/100
Modulus of Elasticity	13.8 GPa	2000 ksi	
Flexural Strength	58.6 MPa	8500 psi	
Compressive Strength	148 MPa	21500 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	3.96 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$ @Temperature 20.0 $\text{Å}^\circ\text{C}$	2.20 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$ @Temperature 68.0 $\text{Å}^\circ\text{F}$	
Thermal Conductivity	79.5 W/m-K	552 BTU-in/hr-ft <sup>2</sup> - $\text{Å}^\circ\text{F}$	
Maximum Service Temperature, Air	593 $\text{Å}^\circ\text{C}$	1100 $\text{Å}^\circ\text{F}$	In oxygen
Maximum Service Temperature, Inert	1204 $\text{Å}^\circ\text{C}$	2199 $\text{Å}^\circ\text{F}$	Reducing Atm.

Descriptive Properties	Value	Comments
Impregnation	Salt	

## Contact Songhan Plastic Technology Co.,Ltd.

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