

## SGL Carbon Group EK 2240 Carbon 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: Dry Running Seals  
Certified for use in potable water and/or in foodstuff  
Information provided by SGL Carbon Group

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SGL-Carbon-Group-EK-2240-Carbon-Graphite.php](http://www.lookpolymers.com/polymer_SGL-Carbon-Group-EK-2240-Carbon-Graphite.php)

| Physical Properties | Metric    | English                   | Comments |
|---------------------|-----------|---------------------------|----------|
| Density             | 1.81 g/cc | 0.0654 lb/in <sup>3</sup> |          |
| Open Porosity       | <= 2.5 %  | <= 2.5 %                  |          |

| Mechanical Properties | Metric   | English   | Comments          |
|-----------------------|----------|-----------|-------------------|
| Hardness, Rockwell R  | 115      | 115       | Size/Load - 5/100 |
| Hardness, Shore C     | 107      | 107       |                   |
| Modulus of Elasticity | 19.3 GPa | 2800 ksi  |                   |
| Flexural Strength     | 68.9 MPa | 10000 psi |                   |
| Compressive Strength  | 210 MPa  | 30500 psi |                   |

| Thermal Properties                 | Metric                                  | English                                   | Comments      |
|------------------------------------|-----------------------------------------|-------------------------------------------|---------------|
| CTE, linear                        | 5.40 Åµm/m-Å°C<br>@Temperature 20.0 Å°C | 3.00 Åµin/in-Å°F<br>@Temperature 68.0 Å°F |               |
| Thermal Conductivity               | 17.3 W/m-K                              | 120 BTU-in/hr-ftÅ²-Å°F                    |               |
| Maximum Service Temperature, Air   | 204 Å°C                                 | 400 Å°F                                   | In oxygen     |
| Maximum Service Temperature, Inert | 204 Å°C                                 | 399 Å°F                                   | Reducing Atm. |

| Descriptive Properties | Value | Comments |
|------------------------|-------|----------|
| Impregnation           | Resin |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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