

## Panjin Zhongrun Chemerize 085G Low Viscosity CoPEEK

Category : Polymer , Thermoplastic , Polyketone , Polyetheretherketone (PEEK) , Polyetheretherketone, PEEK, Unreinforced

**Material Notes:**

Information provided by Bieglo GmbH.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Panjin-Zhongrun-Chemerize-085G-Low-Viscosity-CoPEEK.php](http://www.lookpolymers.com/polymer_Panjin-Zhongrun-Chemerize-085G-Low-Viscosity-CoPEEK.php)

| Physical Properties   | Metric               | English                   | Comments |
|-----------------------|----------------------|---------------------------|----------|
| Density               | 1.30 g/cc            | 0.0470 lb/in <sup>3</sup> | ISO 1183 |
| Linear Mold Shrinkage | 0.0070 - 0.012 cm/cm | 0.0070 - 0.012 in/in      | ISO 2577 |

| Mechanical Properties        | Metric                 | English                    | Comments  |
|------------------------------|------------------------|----------------------------|-----------|
| Tensile Strength             | 100 MPa                | 14500 psi                  | ISO 527   |
| Elongation at Break          | 25 %                   | 25 %                       | ISO 527   |
| Flexural Strength            | 165 MPa                | 23900 psi                  | ISO 178   |
| Flexural Modulus             | 4.10 GPa               | 595 ksi                    | ISO 178   |
| Izod Impact, Notched (ISO)   | 5.00 kJ/m <sup>2</sup> | 2.38 ft-lb/in <sup>2</sup> | ISO 180/A |
| Izod Impact, Unnotched (ISO) | NB                     | NB                         | ISO 180/U |

| Thermal Properties                          | Metric                     | English                     | Comments |
|---|----------------------------|-----------------------------|----------|
| Melting Point                               | >= 340 °C                  | >= 644 °F                   | ISO 3146 |
| Deflection Temperature at 1.8 MPa (264 psi) | 155 °C                     | 311 °F                      | ISO75A   |
| Flammability, UL94                          | V-0<br>@Thickness 0.400 mm | V-0<br>@Thickness 0.0157 in |          |

| Electrical Properties | Metric                       | English                      | Comments  |
|-----------------------|------------------------------|------------------------------|-----------|
| Volume Resistivity    | 1.00e+15 ohm-cm              | 1.00e+15 ohm-cm              | ISO 60093 |
| Dielectric Constant   | 3.2<br>@Frequency 1000 Hz    | 3.2<br>@Frequency 1000 Hz    | ISO 60250 |
| Dissipation Factor    | 0.0033<br>@Frequency 1000 Hz | 0.0033<br>@Frequency 1000 Hz | ISO 60250 |

| Descriptive Properties | Value    | Comments |
|------------------------|----------|----------|
| Form                   | Granules |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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