

## CP-Polymer-Technik Wellamid® 6600 GV 15 HWCP 15% Glass Fiber Nylon 66, Heat Stabilized, Conditioned

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 20% Glass Fiber Filled

### Material Notes:

Information provided by CP-Polymer-Technik GmbH & Co. KG

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_CP-Polymer-Technik-Wellamid-6600-GV-15-HWCP-15-Glass-Fiber-Nylon-66-Heat-Stabilized-Conditioned.php](http://www.lookpolymers.com/polymer_CP-Polymer-Technik-Wellamid-6600-GV-15-HWCP-15-Glass-Fiber-Nylon-66-Heat-Stabilized-Conditioned.php)

| Physical Properties                | Metric                             | English                             | Comments                                 |
|------------------------------------|------------------------------------|-------------------------------------|------------------------------------------|
| Density                            | 1.23 g/cc                          | 0.0444 lb/in <sup>3</sup>           | ISO 1183                                 |
| Moisture Absorption at Equilibrium | 2.2 - 2.7 %                        | 2.2 - 2.7 %                         | 23°C/50%RH, Starting when dry; DIN 53495 |
| Linear Mold Shrinkage              | 0.0030 cm/cm<br>@Thickness 4.00 mm | 0.0030 in/in<br>@Thickness 0.157 in |                                          |
| Linear Mold Shrinkage, Transverse  | 0.0080 cm/cm<br>@Thickness 4.00 mm | 0.0080 in/in<br>@Thickness 0.157 in |                                          |

| Mechanical Properties     | Metric                                         | English                                            | Comments          |
|---------------------------|------------------------------------------------|----------------------------------------------------|-------------------|
| Tensile Strength at Break | 80.0 MPa                                       | 11600 psi                                          | 5 mm/min; ISO 527 |
| Elongation at Break       | 7.0 %                                          | 7.0 %                                              | 5 mm/min; ISO 527 |
| Tensile Modulus           | 4.30 GPa                                       | 624 ksi                                            | ISO 527           |
| Charpy Impact Unnotched   | 7.00 J/cm <sup>2</sup><br>@Temperature 23.0 °C | 33.3 ft-lb/in <sup>2</sup><br>@Temperature 73.4 °F | ISO 179           |
| Charpy Impact, Notched    | 1.10 J/cm <sup>2</sup><br>@Temperature 23.0 °C | 5.24 ft-lb/in <sup>2</sup><br>@Temperature 73.4 °F | ISO 179           |

| Thermal Properties | Metric | English | Comments |
|--------------------|--------|---------|----------|
| Melting Point      | 255 °C | 491 °F  | Kofler   |

| Electrical Properties | Metric          | English         | Comments |
|-----------------------|-----------------|-----------------|----------|
| Volume Resistivity    | 1.00e+12 ohm-cm | 1.00e+12 ohm-cm | IEC 93   |
| Surface Resistance    | 1.00e+10 ohm    | 1.00e+10 ohm    | ISO 3915 |
|                       | 6.0             | 6.0             |          |

| Dielectric Constant<br>Electrical Properties | Metric<br>@ Frequency 1e+6 Hz | English<br>@ Frequency 1e+6 Hz | IEC 250<br>Comments |
|----------------------------------------------|-------------------------------|--------------------------------|---------------------|
| Dielectric Strength                          | 35.0 kV/mm                    | 889 kV/in                      | IEC 243-1           |
| Dielectric Loss Index                        | 0.15                          | 0.15                           | At 1 MHz; IEC 250   |

| Processing Properties | Metric        | English      | Comments |
|-----------------------|---------------|--------------|----------|
| Melt Temperature      | 265 - 295 °C  | 509 - 563 °F |          |
| Mold Temperature      | 70.0 - 100 °C | 158 - 212 °F |          |

| Descriptive Properties | Value  | Comments |
|------------------------|--------|----------|
| Back Pressure          | Low    |          |
| Holding Pressure       | High   |          |
| Injection Speed        | High   |          |
| Screw Speed            | Medium |          |

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China