

## CP-Polymer-Technik Wellamid® 6000 GS 25 HWCP 25% Glass Sphere Filled Nylon 6, Heat Stabilized, Conditioned

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, Glass Bead 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-6000-GS-25-HWCP-25-Glass-Sphere-Filled-Nylon-6-Heat-Stabilized-Conditioned.php](http://www.lookpolymers.com/polymer_CP-Polymer-Technik-Wellamid-6000-GS-25-HWCP-25-Glass-Sphere-Filled-Nylon-6-Heat-Stabilized-Conditioned.php)

Physical Properties	Metric	English	Comments
Density	1.31 g/cc	0.0473 lb/in <sup>3</sup>	ISO 1183
Moisture Absorption at Equilibrium	2.0 - 2.5 %	2.0 - 2.5 %	23°C/50%RH, Starting when dry; DIN 53495
Linear Mold Shrinkage	0.0080 - 0.010 cm/cm @Thickness 4.00 mm	0.0080 - 0.010 in/in @Thickness 0.157 in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	45.0 MPa	6530 psi	5 mm/min; ISO 527
Elongation at Break	22 %	22 %	5 mm/min; ISO 527
Tensile Modulus	1.90 GPa	276 ksi	ISO 527
Charpy Impact Unnotched	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	ISO 179
Charpy Impact, Notched	1.50 J/cm <sup>2</sup> @Temperature 23.0 °C	7.14 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	215 °C	419 °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
Dielectric Constant	6.0 @Frequency 1e+6 Hz	6.0 @Frequency 1e+6 Hz	IEC 250
Dielectric Strength	35.0 kV/mm	889 kV/in	IEC 243-1

Electrical Properties	Metric	English	Comments
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Processing Properties	Metric	English	Comments
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Melt Temperature	250 - 270 °C	482 - 518 °F	
Mold Temperature	60.0 - 90.0 °C	140 - 194 °F	

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

## Contact Songhan Plastic Technology Co.,Ltd.

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