

## CP-Polymer-Technik Wellamid® 6600 GS 15 HWCP 15% Glass Sphere Filled Nylon 66, Heat Stabilized, Dry

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 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-6600-GS-15-HWCP-15-Glass-Sphere-Filled-Nylon-66-Heat-Stabilized-Dry.php](http://www.lookpolymers.com/polymer_CP-Polymer-Technik-Wellamid-6600-GS-15-HWCP-15-Glass-Sphere-Filled-Nylon-66-Heat-Stabilized-Dry.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; DIN 53495
Linear Mold Shrinkage	0.0090 - 0.011 cm/cm @Thickness 4.00 mm	0.0090 - 0.011 in/in @Thickness 0.157 in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	75.0 MPa	10900 psi	5 mm/min; ISO 527
Elongation at Break	6.0 %	6.0 %	5 mm/min; ISO 527
Tensile Modulus	3.60 GPa	522 ksi	ISO 527
Flexural Modulus	3.00 GPa	435 ksi	DIN 52457
Charpy Impact Unnotched	2.00 J/cm <sup>2</sup> @Temperature 23.0 °C	9.52 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179
Charpy Impact, Notched	0.400 J/cm <sup>2</sup> @Temperature 23.0 °C	1.90 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179

Thermal Properties	Metric	English	Comments
CTE, linear	70.0 μm/m-°C @Temperature 23.0 - 80.0 °C	38.9 μin/in-°F @Temperature 73.4 - 176 °F	DIN 53752
Melting Point	255 °C	491 °F	Kofler
Deflection Temperature at 0.46 MPa (66 psi)	200 °C	392 °F	ISO 179
Deflection Temperature at 1.8 MPa (264 psi)	100 °C	212 °F	ISO 179
Vicat Softening Point	230 °C	446 °F	50 N; ISO 306

Thermal Properties	Metric	English	Comments
Flammability, UL94	@Thickness 1.60 mm	@Thickness 0.0630 in	Stufe; IEC 707
	HB	HB	Stufe; IEC 707
	@Thickness 3.20 mm	@Thickness 0.126 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	IEC 93
Surface Resistance	1.00e+12 ohm	1.00e+12 ohm	ISO 3915
Dielectric Constant	4.0	4.0	IEC 250
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dielectric Strength	35.0 kV/mm	889 kV/in	IEC 243-1
Dielectric Loss Index	0.015	0.015	At 1 MHz; IEC 250
Comparative Tracking Index	450 V	450 V	Stufe; IEC 112

Processing Properties	Metric	English	Comments
Melt Temperature	265 - 290 °C	509 - 554 °F	
Mold Temperature	70.0 - 100 °C	158 - 212 °F	

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