

## CP-Polymer-Technik Wellamid® 6600 CF10 HWCP 10% Carbon Fiber Nylon 66, Heat Stabilized, Conditioned

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66 , 10% Carbon 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-CF10-HWCP-10-Carbon-Fiber-Nylon-66-Heat-Stabilized-Conditioned.php](http://www.lookpolymers.com/polymer_CP-Polymer-Technik-Wellamid-6600-CF10-HWCP-10-Carbon-Fiber-Nylon-66-Heat-Stabilized-Conditioned.php)

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 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	0.0040 cm/cm @Thickness 4.00 mm	0.0040 in/in @Thickness 0.157 in	
Linear Mold Shrinkage, Transverse	0.0090 cm/cm @Thickness 4.00 mm	0.0090 in/in @Thickness 0.157 in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	110 MPa	16000 psi	5 mm/min; ISO 527
Elongation at Break	4.5 %	4.5 %	5 mm/min; ISO 527
Tensile Modulus	9.00 GPa	1310 ksi	ISO 527
Charpy Impact Unnotched	6.50 J/cm <sup>2</sup> @Temperature 23.0 °C	30.9 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179
Charpy Impact, Notched	1.40 J/cm <sup>2</sup> @Temperature 23.0 °C	6.66 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179

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

Processing Properties	Metric	English	Comments
Melt Temperature	275 - 295 °C	527 - 563 °F	
Mold Temperature	80.0 - 100 °C	176 - 212 °F	

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

## 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