CP-Polymer-Technik Wellamid® 6600 GV 30 HW 30% Glass Fiber Nylon 66, Heat Stabilized, Conditioned

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 30% 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-30-HW-30-Glass-Fiber-Nylon-66-Heat-Stabilized-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.36 g/cc	0.0491 lb/in³	ISO 1183
Moisture Absorption at Equilibrium	1.8 - 2.3 %	1.8 - 2.3 %	23°C/50%RH, Starting when dry; DIN 53495
Linear Mold Shrinkage	0.0020 cm/cm @Thickness 4.00 mm	0.0020 in/in @Thickness 0.157 in	
Linear Mold Shrinkage, Transverse	0.0070 cm/cm @Thickness 4.00 mm	0.0070 in/in @Thickness 0.157 in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	115 MPa	16700 psi	5 mm/min; ISO 527
Elongation at Break	5.0 %	5.0 %	5 mm/min; ISO 527
Tensile Modulus	5.50 GPa	798 ksi	ISO 527
Charpy Impact Unnotched	9.00 J/cm² @Temperature 23.0 °C	42.8 ft-lb/in² @Temperature 73.4 °F	ISO 179
Charpy Impact, Notched	2.00 J/cm² @Temperature 23.0 °C	9.52 ft-lb/in² @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	

Electrical Properties	Metric	English	Comments
Dielectric Constant	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	IEC 250
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
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China