

## CP-Polymer-Technik Wellamid® 6000 MR 309 HWCP Mineral Nylon 6, Heat Stabilized, Conditioned

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 30% Mineral 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-MR-309-HWCP-Mineral-Nylon-6-Heat-Stabilized-Conditioned.php](http://www.lookpolymers.com/polymer_CP-Polymer-Technik-Wellamid-6000-MR-309-HWCP-Mineral-Nylon-6-Heat-Stabilized-Conditioned.php)

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in <sup>3</sup>	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	0.0080 - 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	40.0 MPa	5800 psi	5 mm/min; ISO 527
Elongation at Break	17 %	17 %	5 mm/min; ISO 527
Tensile Modulus	2.60 GPa	377 ksi	ISO 527
Charpy Impact Unnotched	NB @Temperature 23.0 °C	NB @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	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 TC 250
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Processing Properties	Metric	English	Comments
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Melt Temperature	260 - 290 °C	500 - 554 °F	
Mold Temperature	70.0 - 100 °C	158 - 212 °F	

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

## Contact Songhan Plastic Technology Co.,Ltd.

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