

Wellman EcoLon® MRGF1616-BK 40% Mineral/Glass Reinforced Post Consumer Compound Nylon 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, Glass/Mineral Reinforced

Material Notes:

Description: Mineral/Glass Reinforced Post Consumer Compound Nylon 6 Information provided by Wellman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wellman-EcoLon-MRGF1616-BK-40-MineralGlass-Reinforced-Post-Consumer-Compound-Nylon-6.php

Physical Properties	Metric	English	Comments
Density	1.50 g/cc	0.0542 lb/in ³	ISO 1183-87
Filler Content	40 %	40 %	
Linear Mold Shrinkage, Flow	0.0030 - 0.0060 cm/cm	0.0030 - 0.0060 in/in	ISO DIS 294-4
Linear Mold Shrinkage, Transverse	0.0080 - 0.011 cm/cm	0.0080 - 0.011 in/in	ISO DIS 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	105 MPa	15200 psi	ISO 527-93
Elongation at Break	2.1 %	2.1 %	ISO 527-93
Flexural Strength	155 MPa	22500 psi	ISO 178-93
Flexural Modulus	9.35 GPa	1360 ksi	ISO 178-93
Izod Impact, Notched (ISO)	5.60 kJ/m ²	2.66 ft-lb/in ²	ISO 180-93

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	ISO 3146
Deflection Temperature at 1.8 MPa (264 psi)	202 °C	396 °F	ISO 75-93

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	277 - 293 °C	530 - 560 °F	
Middle Barrel Temperature	271 - 282 °C	520 - 540 °F	
Front Barrel Temperature	266 - 277 °C	510 - 530 °F	
Nozzle Temperature	254 - 282 °C	490 - 540 °F	
Melt Temperature	271 - 299 °C	520 - 570 °F	

Mold Temperature Processing Properties	71.1 - 93.3 °C Metric	160 - 200 °F English	Comments
Drying Temperature	79.4 °C	175 °F	Opened bags and gaylord boxes
Dry Time	2 - 4 hour	2 - 4 hour	Opened bags and gaylord boxes
Moisture Content	0.050 - 0.20 %	0.050 - 0.20 %	During molding to prevent hydrolytic degradation
	<= 0.20 %	<= 0.20 %	In shipping bags, ready to mold
Injection Pressure	34.5 - 138 MPa	5000 - 20000 psi	
Back Pressure	0.345 MPa	50.0 psi	
Screw Speed	30 - 120 rpm	30 - 120 rpm	

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