

Wellman Wellamid® GF43-66 XE-N 43% Glass Fiber Reinforced Nylon 66, Lubricated & Heat Stabilized

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 40% Glass Fiber Filled

Material Notes:

Typical Applications: Radio and TV components, dishwasher roller carriages, chain saw oil reservoirs, gears, housings, door & window latches, power hand tool housings, high temperature devices. Data provided by the manufacturer, Wellman Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wellman-Wellamid-GF43-66-XE-N-43-Glass-Fiber-Reinforced-Nylon-66-Lubricated-Heat-Stabilized.php

Physical Properties	Metric	English	Comments
Density	1.49 g/cc	0.0538 lb/in ³	ISO 1183
Water Absorption	1.2 %	1.2 %	Approximate 24 hr.
Linear Mold Shrinkage	0.0020 - 0.0060 cm/cm	0.0020 - 0.0060 in/in	ISO 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	210 MPa	30500 psi	ISO 527
Elongation at Break	3.0 %	3.0 %	ISO 527
Flexural Yield Strength	310 MPa	45000 psi	ISO 178
Flexural Modulus	12.5 GPa	1810 ksi	ISO 178
Izod Impact, Notched	1.30 J/cm	2.44 ft-lb/in	ISO 180

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	250 °C	482 °F	ISO 75
Flammability, UL94	HB @Thickness 0.790 mm	HB @Thickness 0.0311 in	From Wellman QC Laboratory Testing; UL 94

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	282 - 310 °C	540 - 590 °F	
Middle Barrel Temperature	277 - 304 °C	530 - 580 °F	
Front Barrel Temperature	271 - 299 °C	520 - 570 °F	
Nozzle Temperature	271 - 304 °C	520 - 580 °F	
Melt Temperature	271 - 304 °C	520 - 580 °F	

Processing Properties	Metric	English	Comments
Mold Temperature	71.1 - 93.3 °C	160 - 200 °F	
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