

YUNTIANHUA® GF-20

Acetal (POM) Copolymer

YunNan YunTianHua Co., Ltd.

Message:

YUNTIANHUA® GF-20 is an Acetal (POM) Copolymer product filled with 20% glass fiber. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America. Applications of YUNTIANHUA® GF-20 include engineering/industrial parts, automotive and conveyors.

Characteristics include:

- Flame Rated
- Copolymer
- Creep Resistant
- Fatigue Resistant
- Heat Resistant

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Copolymer		
	Fatigue Resistant		
	Good Creep Resistance		
	High Heat Resistance		
	High Stiffness		
	Low Shrinkage		
Uses	Automotive Under the Hood		
	Bearings		
	Belts/Belt Repair		
	Cams		
	Conveyor Parts		
	Gears		
	Valves/Valve Parts		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.57	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.0	g/10 min	ISO 1133
Water Absorption (23°C, 24 hr)	0.60	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7000	MPa	ISO 527-2
Tensile Stress (Yield)	110	MPa	ISO 527-2
Tensile Strain (Break)	2.8	%	ISO 527-2
Flexural Modulus	6000	MPa	ISO 178
Flexural Stress	130	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	5.5	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	160	°C	ISO 75-2/A
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	100 to 120	°C	
Drying Time	2.0 to 4.0	hr	
Rear Temperature	160 to 180	°C	
Middle Temperature	170 to 200	°C	
Front Temperature	180 to 210	°C	
Nozzle Temperature	180 to 210	°C	
Processing (Melt) Temp	180 to 210	°C	
Mold Temperature	60.0 to 90.0	°C	
Injection Pressure	50.0 to 100	MPa	
Holding Pressure	30.0 to 80.0	MPa	
Back Pressure	0.00 to 0.500	MPa	
Screw Speed	50 to 120	rpm	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

