YUNTIANHUA® M120

Acetal (POM) Copolymer

YunNan YunTianHua Co., Ltd.

Message:

YUNTIANHUA® M120 is an Acetal (POM) Copolymer product. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America. Applications of YUNTIANHUA® M120 include engineering/industrial parts and automotive.
Characteristics include:
Flame Rated
Chemical Resistant
Bacteria Resistant
Copolymer
Fatigue Resistant

General Information	
UL YellowCard	E242659-298905
Features	Acid Resistant
	Bacteria Resistant
	Base Resistant
	Copolymer
	Fatigue Resistant
	Good Abrasion Resistance
	Good Chemical Resistance
	Good Dimensional Stability
	Good Electrical Properties
	Good Flow
	High Hardness
	High Stiffness
	Low Friction
	Low Warpage
	Solvent Resistant
Uses	Automotive Electronics
	Automotive Exterior Parts
	Automotive Under the Hood
	Fittings
	Gears
	Pump Parts
	Thin-walled Parts
	Valves/Valve Parts
	Wheels
Forms	Pellets

Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.41	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	13	g/10 min	ISO 1133
Water Absorption (23°C, 24 hr)	0.60	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	2650	MPa	ISO 527-2
Tensile Stress (Yield)	62.0	MPa	ISO 527-2
Tensile Strain (Break)	30	%	ISO 527-2
Flexural Modulus	2500	MPa	ISO 178
Flexural Stress	88.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength	5.5	kJ/m²	ISO 179/1eA
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (1.8 MPa, Unannealed)	95.0	°C	ISO 75-2/A
Flammability	**Nominal Value**		**Test Method**
Flame Rating	HB		UL 94
Injection	**Nominal Value**	**Unit**	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	3.0 to 4.0	hr	
Rear Temperature	160 to 180	°C	
Middle Temperature	170 to 200	°C	
Front Temperature	190 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	

Recommended distributors for this material

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WECHAT