

Witcom PA6 6G-MTD

Polyamide 6

Witcom Engineering Plastics B.V.

Message:

Witcom PA6 6G-MTD is a polyamide 6 (nylon 6) product that contains a 30% glass fiber reinforced material. It can be processed by injection molding and is available in Europe. The main characteristics are: flame retardant/rated flame.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Features	Metal Detectable		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.97	g/cm ³	ISO 1183
Molding Shrinkage - Flow (3.00 mm)	0.20 - 0.40	%	ISO 2577
Water Absorption			ISO 62
Saturated, 23°C	6.0	%	ISO 62
Equilibrium, 23°C, 50% RH	1.8	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	< 205	MPa	ISO 527-2
Tensile Strain (Break)	2.0 - 3.0	%	ISO 527-2
Flexural Modulus	15000	MPa	ISO 178
Flexural Stress	305	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	15	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength	80	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	200	°C	ISO 75-2/A
RTI Imp (3.00 mm)	95.0	°C	UL 746
Flammability	Nominal Value		Test Method
Flammability Classification (3.20 mm)	HB		IEC 60695-11-10, -20
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	3.0 - 5.0	hr	
Suggested Max Moisture	0.10	%	
Processing (Melt) Temp	250 - 270	°C	
Mold Temperature	60.0 - 95.0	°C	
Injection Rate	Fast		
Back Pressure	0.00 - 1.00	MPa	
Injection instructions			

Screw speed: 0.1 - 0.2 m/sInjection pressure: Keep to a minimumHold pressure: Keep to a minimum

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Recommended distributors for this material

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