

DISTRUMID 6 GF30 HI

Polyamide 6

Distrupol

Message:

DISTRUMID 6 GF30 HI is a polyamide 6 (nylon 6) material, which contains a 30% glass fiber reinforced material. This product is available in Europe, and the processing method is injection molding.

The main features of DISTRUMID 6 GF30 HI are:

- flame retardant/rated flame
- Impact modification

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Additive	Impact modifier		
Features	Impact modification		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.34	g/cm ³	ISO 1183
Molding Shrinkage (23°C)	0.25 - 0.50	%	ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	9300	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C)	160	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	4.0	%	ISO 527-2/5
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	215	°C	ISO 75-2/B
1.8 MPa, not annealed	200	°C	ISO 75-2/A
Vicat Softening Temperature	210	°C	ISO 306/B50
Melting Temperature (DSC)	220	°C	ISO 3146
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+13	ohms	IEC 60093
Volume Resistivity	1.0E+15	ohms · cm	IEC 60093
Comparative Tracking Index (Solution A)	500	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.800 mm)	HB		UL 94
Additional Information			
Mold Shrinkage, ISO 2577, 23°C: 0.25 to 0.5 %Melting Point, DSC: 220 ± 2 °C			
Injection	Nominal Value	Unit	
Drying Temperature	75.0 - 95.0	°C	

Drying Time	4.0 - 6.0	hr
Processing (Melt) Temp	240 - 270	°C
Mold Temperature	90.0 - 120	°C

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Recommended distributors for this material

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