

DISTRUMID 66GF30HS

Polyamide 66

Distrupol

Message:

DISTRUMID 66GF30HS is a polyamide 66 (nylon 66) 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 66GF30HS are:

flame retardant/rated flame

heat stabilizer

General Information				
Filler / Reinforcement		Glass fiber reinforced material, 30% filler by weight		
Additive		heat stabilizer		
Features		Thermal Stability		
Forms		Particle		
Processing Method		Injection molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.35	--	g/cm ³	ISO 1183
Molding Shrinkage (23°C)	0.20 - 0.40	--	%	ISO 2577
Water Absorption (23°C, 24 hr)	0.80	--	%	ISO 62
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	121	118		ISO 2039-2
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	9700	6800	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	160	130	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2.5	3.0	%	ISO 527-2
Flexural Modulus (23°C)	9000	6000	MPa	ISO 178
Flexural Stress (23°C)	260	175	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Unnotched Izod Impact Strength (23°C)	48	--	kJ/m ²	ISO 180
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, not annealed	258	--	°C	ISO 75-2/B
1.8 MPa, not annealed	249	--	°C	ISO 75-2/A
Vicat Softening Temperature	255	--	°C	ISO 306/B50
Melting Temperature (DSC)	262	--	°C	ISO 3146
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+13	1.0E+11	ohms	IEC 60093

Volume Resistivity	1.0E+15	1.0E+11	ohms·cm	IEC 60093
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating	HB	--		UL 94
Additional Information				

干燥
Continuous service temperature (no stress), Internal method: 125°CResistance to tracking, VDE 0303/1: KC>600

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