

DISTRUMID 6 GF50

Polyamide 6

Distrupol

Message:

DISTRUMID 6 GF50 is a polyamide 6 (nylon 6) material. This product is available in Europe. The main characteristics of DISTRUMID 6 GF50 are: flame retardant/rated flame.

General Information				
Forms		Particle		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.55	--	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20	--	%	ASTM D955
Water Absorption (24 hr)	0.70	--	%	ASTM D570
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (R-Scale)	123	115		ASTM D785
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength (Ultimate)	190	120	MPa	ASTM D638
Tensile Elongation (Break)	2.0	2.5	%	ASTM D638
Flexural Modulus	13000	7300	MPa	ASTM D790
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ASTM D648
0.45 MPa, not annealed	220	--	°C	ASTM D648
1.8 MPa, not annealed	215	--	°C	ASTM D648
Vicat Softening Temperature	210	--	°C	ASTM D1525
Melting Temperature	222	--	°C	
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+13	1.0E+11	ohms	ASTM D257
Volume Resistivity	1.0E+15	1.0E+11	ohms·cm	ASTM D257
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating	HB	--		UL 94
Additional Information				

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Continuous Service Temperature, S.P., No Stress: 130 °CResistance to Tracking, VDE 0303/1: KC>450 V

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