

# DISTRUMID 6 I

Polyamide 6

Distrupol

Message:

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

General Information				
Forms		Particle		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.12	--	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	1.4	--	%	ASTM D955
Water Absorption (24 hr)	1.1	--	%	ASTM D570
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (R-Scale)	114	96		ASTM D785
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength (Yield)	73.0	36.0	MPa	ASTM D638
Tensile Elongation (Break)	70	250	%	ASTM D638
Flexural Modulus	2600	1000	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact	100	--	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ASTM D648
0.45 MPa, not annealed	170	--	°C	ASTM D648
1.8 MPa, not annealed	70.0	--	°C	ASTM D648
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				

干燥

Continuous Service Temperature, S.P., No Stress: 80 °CResistance to Tracking, VDE 0303/1: KC>600 V

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