

DISTRUMID 6 MOS2

Polyamide 6

Distrupol

Message:

DISTRUMID 6 MOS2 is a polyamide 6 (nylon 6) material. This product is available in Europe, and the processing method is injection molding. The main characteristics of DISTRUMID 6 MOS2 are: flame retardant/rated flame.

General Information			
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Molding Shrinkage (23°C)	1.2 - 1.4	%	ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	110		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2800	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C)	90.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	50	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	5.0	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	185	°C	ISO 75-2/B
1.8 MPa, not annealed	85.0	°C	ISO 75-2/A
Vicat Softening Temperature	205	°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
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.800 mm)	HB		UL 94
Additional Information			
Mold Shrinkage, ISO 2577, 23°C: 1.2 to 1.4 %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	230 - 260	°C	
Mold Temperature	40.0 - 80.0	°C	

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Recommended distributors for this material

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