

ARMAMID® PA NE 50-1

Polyamide 6

Poly Plastic

Message:

ARMAMID® PA NE 50-1 is a Polyamide 6 (Nylon 6) product filled with glass fiber. It is available in Europe.

General Information			
Filler / Reinforcement		Glass Fiber	
Physical	Nominal Value	Unit	Test Method
Density	1.56	g/cm ³	
Molding Shrinkage	0.25 to 0.40	%	
Water Absorption			
23°C, 24 hr	0.80	%	ISO 62
Saturation, 23°C	5.5	%	
Equilibrium, 23°C, 50% RH	1.8	%	
Mechanical	Nominal Value	Unit	
Tensile Stress (Yield)	185	MPa	
Tensile Strain (Break)	3.0	%	
Flexural Modulus (23°C)	12500	MPa	
Flexural Stress	260	MPa	
Impact	Nominal Value	Unit	
Charpy Notched Impact Strength (20°C)	7.0	kJ/m ²	
Charpy Unnotched Impact Strength (20°C)	60	kJ/m ²	
Thermal	Nominal Value	Unit	
Heat Deflection Temperature (1.8 MPa, Unannealed)	205	°C	
Melting Temperature	219	°C	
Electrical	Nominal Value	Unit	
Surface Resistivity			
-- 1	1.0E+13	ohms	
-- 2	1.0E+15	ohms	
Volume Resistivity			
-- 3	1.0E+15	ohms · cm	
-- 4	1.0E+17	ohms · cm	
Electric Strength			
-- 5	14 to 19	kV/mm	
-- 6	22 to 25	kV/mm	
NOTE			
1.	Wet		
2.	Dry		

3.	Wet
4.	Dry
5.	Wet
6.	Dry

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