

ARMAMID® PA MN 30.1

Polyamide 6

Poly Plastic

Message:

ARMAMID® PA MN 30.1 is a Polyamide 6 (Nylon 6) product filled with mineral. It is available in Europe.

General Information			
Filler / Reinforcement	Mineral		
Physical	Nominal Value	Unit	Test Method
Density	1.35	g/cm ³	
Molding Shrinkage	0.80 to 1.0	%	
Water Absorption			
23°C, 24 hr	1.2	%	ISO 62
Saturation, 23°C	6.5	%	
Equilibrium, 23°C, 50% RH	2.5	%	
Mechanical	Nominal Value	Unit	
Tensile Stress (Yield)	85.0	MPa	
Tensile Strain (Break)	5.0	%	
Flexural Modulus (23°C)	4000	MPa	
Flexural Stress	125	MPa	
Impact	Nominal Value	Unit	
Charpy Notched Impact Strength (20°C)	9.0	kJ/m ²	
Charpy Unnotched Impact Strength (20°C)	No Break		
Thermal	Nominal Value	Unit	
Heat Deflection Temperature			
0.45 MPa, Unannealed	180	°C	
1.8 MPa, Unannealed	70.0	°C	
Melting Temperature	216	°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 17	kV/mm	
-- 6	21 to 24	kV/mm	
NOTE			
1.	Wet		

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

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