

ARMAMID® PA NE 15-1E

Polyamide 6

Poly Plastic

Message:

ARMAMID® PA NE 15-1E is a polyamide 6 (nylon 6) product that contains a filler of glass fiber reinforcement. It is available in Europe.

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
Physical	Nominal Value	Unit	Test Method
Density	1.25	g/cm ³	
Molding Shrinkage	0.60 - 1.0	%	
Water Absorption			
23°C, 24 hr	1.1	%	ISO 62
Saturated, 23°C	7.0	%	
Equilibrium, 23°C, 50% RH	2.3	%	
Mechanical	Nominal Value	Unit	
Tensile Stress (Yield)	140	MPa	
Tensile Strain (Break)	6.0	%	
Flexural Modulus (23°C)	4900	MPa	
Flexural Stress	184	MPa	
Impact	Nominal Value	Unit	
Charpy Notched Impact Strength (20°C)	9.0	kJ/m ²	
Charpy Unnotched Impact Strength (20°C)	40	kJ/m ²	
Thermal	Nominal Value	Unit	
Heat Deflection Temperature (1.8 MPa, Unannealed)	150	°C	
Melting Temperature	218	°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	
Dielectric Strength			
-- 5	14 - 19	kV/mm	
-- 6	22 - 25	kV/mm	
NOTE			
1.	Wet		
2.	Dry		

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

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