

ARMAMID® PA 6-3EK

Polyamide 6

Poly Plastic

Message:

ARMAMID® PA 6-3EK is a Polyamide 6 (Nylon 6) product. It can be processed by extrusion and is available in Europe.

General Information		
Features	High Elasticity	
Processing Method	Extrusion	
Physical	Nominal Value	Unit
Density	1.07	g/cm ³
Molding Shrinkage	0.60 to 0.90	%
Water Absorption		
Saturation, 23°C	6.0	%
Equilibrium, 23°C, 50% RH	1.7	%
Mechanical	Nominal Value	Unit
Tensile Stress (Yield)	43.0	MPa
Tensile Strain (Break)	150	%
Flexural Modulus (23°C)	1400	MPa
Flexural Stress	53.0	MPa
Impact	Nominal Value	Unit
Charpy Notched Impact Strength		
-40°C	9.0	kJ/m ²
20°C	20	kJ/m ²
Charpy Unnotched Impact Strength (20°C)	No Break	
Thermal	Nominal Value	Unit
Heat Deflection Temperature (0.45 MPa, Unannealed)	63.0	°C
Melting Temperature	210	°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	22 to 24	kV/mm
NOTE		
1.	Wet	
2.	Dry	

3.	Wet
4.	Dry
5.	Dry

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Recommended distributors for this material

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