

ARMAMID® PA 6-3E

Polyamide 6

Poly Plastic

Message:

ARMAMID® PA 6-3E is a Polyamide 6 (Nylon 6) product. It is available in Europe. Typical application: Film.

General Information		
Features	High Elasticity	
Uses	Cast Film	
Physical	Nominal Value	Unit
Density	1.06	g/cm ³
Molding Shrinkage	1.1 to 1.8	%
Water Absorption		
Saturation, 23°C	8.0	%
Equilibrium, 23°C, 50% RH	2.5	%
Mechanical	Nominal Value	Unit
Tensile Stress (Yield)	30.0	MPa
Tensile Strain (Break)	120	%
Flexural Modulus (23°C)	1400	MPa
Flexural Stress	38.0	MPa
Impact	Nominal Value	Unit
Charpy Notched Impact Strength		
-40°C	10	kJ/m ²
20°C	20	kJ/m ²
Charpy Unnotched Impact Strength (-40°C)	No Break	
Thermal	Nominal Value	Unit
Heat Deflection Temperature (0.45 MPa, Unannealed)	62.0	°C
Melting Temperature	209	°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
Electric Strength	22 to 24	kV/mm
NOTE		
1.	Wet	
2.	Dry	
3.	Dry	

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Recommended distributors for this material

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