

ARMAMID® PA 6-1UP

Polyamide 6

Poly Plastic

Message:

ARMAMID® PA 6-1UP 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	1.11	g/cm ³
Molding Shrinkage	1.5 to 2.5	%
Water Absorption		
Saturation, 23°C	8.8	%
Equilibrium, 23°C, 50% RH	3.2	%
Mechanical	Nominal Value	Unit
Tensile Stress (Yield)	57.0	MPa
Tensile Strain (Break)	30	%
Flexural Modulus (23°C)	2000	MPa
Flexural Stress	67.0	MPa
Impact	Nominal Value	Unit
Charpy Notched Impact Strength		
-40°C	12	kJ/m ²
20°C	17	kJ/m ²
Charpy Unnotched Impact Strength (-40°C)	No Break	
Thermal	Nominal Value	Unit
Heat Deflection Temperature		
0.45 MPa, Unannealed	125	°C
1.8 MPa, Unannealed	55.0	°C
Melting Temperature	215	°C
Electrical	Nominal Value	Unit
Surface Resistivity		
-- 1	1.0E+13	ohms
-- 2	1.0E+15	ohms
Volume Resistivity		
-- 3	1.0E+17	ohms · cm
-- 4	1.0E+15	ohms · cm
Electric Strength	22 to 24	kV/mm
NOTE		

1.	Wet
2.	Dry
3.	Wet
4.	Dry

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