

ARMAMID® PA SVMN 35-1

Polyamide 6

Poly Plastic

Message:

ARMAMID® PA SVMN 35-1 is a Polyamide 6 (Nylon 6) product. It is available in Europe.

General Information			
Physical	Nominal Value	Unit	Test Method
Density	1.42	g/cm ³	
Molding Shrinkage	0.30 to 0.50	%	
Water Absorption			
23°C, 24 hr	0.90	%	ISO 62
Saturation, 23°C	6.3	%	
Equilibrium, 23°C, 50% RH	2.0	%	
Mechanical	Nominal Value	Unit	
Tensile Stress (Yield)	120	MPa	
Flexural Modulus (23°C)	8500	MPa	
Flexural Stress	175	MPa	
Impact	Nominal Value	Unit	
Charpy Notched Impact Strength (20°C)	4.0	kJ/m ²	
Charpy Unnotched Impact Strength			
-40°C	21	kJ/m ²	
20°C	34	kJ/m ²	
Thermal	Nominal Value	Unit	
Heat Deflection Temperature (1.8 MPa, Unannealed)	195	°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	
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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