

ADDINYL B2

Polyamide 6

ADDIPLAST

Message:

ADDINYL B2 is a Polyamide 6 (Nylon 6) material. It is available in Africa & Middle East, Asia Pacific, Europe, or Latin America.

Typical applications include:

- Automotive
- Electrical/Electronic Applications
- Appliances
- Engineering/Industrial Parts

General Information				
Uses		Appliance Components		
		Automotive Applications		
		Automotive Interior Parts		
		Connectors		
		Electrical/Electronic Applications		
		Gears		
Forms		Pellets		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.14	--	g/cm ³	ISO 1183/A
Hardness	Dry	Conditioned	Unit	Test Method
Shore Hardness (Shore D)	82	71		ISO 868
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Stress (Yield)	80.0	50.0	MPa	ISO 527-2
Tensile Strain (Break)	30	50	%	ISO 527-2
Flexural Modulus	2800	900	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	5.0	15	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	No Break	No Break		ISO 179/1eU
Notched Izod Impact Strength	5.5	16	kJ/m ²	ISO 180/1A
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	65.0	--	°C	ISO 75-2/Af
Melting Temperature (DSC)	220	--	°C	ISO 3146
CLTE - Flow	7.0E-5	--	cm/cm/°C	ASTM E831
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+14	1.0E+12	ohms	IEC 60093

Volume Resistivity	1.0E+15	1.0E+12	ohms·cm	IEC 60093
Electric Strength	26	25	kV/mm	IEC 60243-1
Comparative Tracking Index (Solution A)	600	--	V	IEC 60112

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