

ADDINYL B2 V50

Polyamide 6

ADDIPLAST

Message:

ADDINYL B2 V50 is a Polyamide 6 (Nylon 6) material filled with 50% glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, or Latin America. Primary attribute of ADDINYL B2 V50: Rigid.

Typical applications include:

- Automotive
- Appliances
- Electrical/Electronic Applications
- Housings

General Information				
Filler / Reinforcement		Glass Fiber,50% Filler by Weight		
Features		High Rigidity		
Uses		Appliance Components		
		Automotive Applications		
		Automotive Interior Parts		
		Electrical/Electronic Applications		
		Housings		
Forms		Pellets		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.55	--	g/cm ³	ISO 1183/A
Hardness	Dry	Conditioned	Unit	Test Method
Shore Hardness (Shore D)	84	78		ISO 868
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Stress (Break)	220	140	MPa	ISO 527-2
Tensile Strain (Break)	2.0	3.0	%	ISO 527-2
Flexural Modulus	14500	7500	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	13	20	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	70	75	kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength	20	24	kJ/m ²	ISO 180/1A
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	215	--	°C	ISO 75-2/Af
Melting Temperature (DSC)	220	--	°C	ISO 3146
CLTE - Flow	2.0E-5	--	cm/cm/°C	ASTM E831
Electrical	Dry	Conditioned	Unit	Test Method

Volume Resistivity	1.0E+15	1.0E+11	ohms·cm	IEC 60093
Electric Strength	35	30	kV/mm	IEC 60243-1
Comparative Tracking Index (Solution A)	550	--	V	IEC 60112

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