

# ADDINYL B2 G30

Polyamide 6

ADDIPLAST

## Message:

ADDINYL B2 G30 is a Polyamide 6 (Nylon 6) material filled with 30% glass bead. It is available in Africa & Middle East, Asia Pacific, Europe, or Latin America.

Important attributes of ADDINYL B2 G30 are:

Good Dimensional Stability

Rigid

Typical application of ADDINYL B2 G30: Automotive

General Information				
Filler / Reinforcement		Glass Bead,30% Filler by Weight		
Features		Good Dimensional Stability		
		High Rigidity		
Uses		Automotive Applications		
		Automotive Under the Hood		
Forms		Pellets		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.35	--	g/cm <sup>3</sup>	ISO 1183/A
Hardness	Dry	Conditioned	Unit	Test Method
Shore Hardness (Shore D)	85	80		ISO 868
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Stress (Break)	70.0	40.0	MPa	ISO 527-2
Tensile Strain (Break)	6.0	11	%	ISO 527-2
Flexural Modulus	3800	1500	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	3.0	5.0	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength	45 kJ/m <sup>2</sup>	No Break		ISO 179/1eU
Notched Izod Impact Strength	3.5	6.0	kJ/m <sup>2</sup>	ISO 180/1A
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	75.0	--	°C	ISO 75-2/Af
Melting Temperature (DSC)	220	--	°C	ISO 3146
CLTE - Flow	5.0E-5	--	cm/cm/°C	ASTM E831
Electrical	Dry	Conditioned	Unit	Test Method
Volume Resistivity	1.0E+15	1.0E+12	ohms · cm	IEC 60093

Electric Strength	28	24	kV/mm	IEC 60243-1
Comparative Tracking Index (Solution A)	600	--	V	IEC 60112

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