

ADDINYL A2 ZG30

Polyamide 66
ADDIPLAST

PROSPECTOR®

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Technical Data

Product Description

ADDINYL A2 ZG30 is a Polyamide 66 (Nylon 66) material filled with 30% glass bead. It is available in Africa & Middle East, Asia Pacific, Europe, or Latin America.

Important attributes of ADDINYL A2 ZG30 are:

- Good Dimensional Stability
- Heat Resistant
- Rigid

Typical applications include:

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

General

Material Status	• Commercial: Active
Search for UL Yellow Card	• ADDIPLAST
Availability	• Africa & Middle East • Asia Pacific • Europe • Latin America
Filler / Reinforcement	• Glass Bead, 30% Filler by Weight
Features	• Good Dimensional Stability • Good Heat Aging Resistance • High Rigidity
Uses	• Appliance Components • Electrical/Electronic Applications • Gears
Forms	• Pellets

Physical	Dry	Conditioned	Unit	Test Method
Density	1.35	--	g/cm ³	ISO 1183/A
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Stress (Break)	11600 (80.0)	8700 (60.0)	psi (MPa)	ISO 527-2
Tensile Strain (Break)	7.0	11	%	ISO 527-2
Flexural Modulus	551000 (3800)	261000 (1800)	psi (MPa)	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	1.4 (3.0)	2.4 (5.0)	ft·lb/in ² (kJ/m ²)	ISO 179/1eA
Charpy Unnotched Impact Strength	19 (40)	29 (60)	ft·lb/in ² (kJ/m ²)	ISO 179/1eU
Notched Izod Impact Strength	1.7 (3.5)	3.3 (7.0)	ft·lb/in ² (kJ/m ²)	ISO 180/1A
Hardness	Dry	Conditioned	Unit	Test Method
Shore Hardness (Shore D)	87	82		ISO 868
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				ISO 75-2/Af
264 psi (1.8 MPa), Unannealed	203 (95.0)	--	°F (°C)	
Melting Temperature (DSC)	500 (260)	--	°F (°C)	ISO 3146
CLTE - Flow	3.3E-5 (6.0E-5)	--	in/in/°F (cm/cm/°C)	ASTM E831
Electrical	Dry	Conditioned	Unit	Test Method
Volume Resistivity	1.0E+15	1.0E+13	ohms·cm	IEC 60093



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Electrical	Dry	Conditioned	Unit	Test Method
Electric Strength	760 (30)	640 (25)	V/mil (kV/mm)	IEC 60243-1
Comparative Tracking Index (Solution A)	450	--	V	IEC 60112

Notes

¹ Typical properties: these are not to be construed as specifications.



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Where to Buy

Supplier

ADDIPLAST

Saint-Pal-de-Mons, France

Telephone: +33-4-71-75-10-90

Web: <http://www.addiplast.com/>

Distributor

Please contact the supplier to find a distributor for ADDINYL A2 ZG30

