

ADDINYL C2 V40

Polyamide 66/6 Copolymer

ADDIPLAST

Message:

ADDINYL C2 V40 is a Polyamide 66/6 Copolymer (Nylon 66/6) material filled with 40% glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, or Latin America. Primary attribute of ADDINYL C2 V40: Rigid.

Typical applications include:

- Automotive
- Appliances
- Electrical/Electronic Applications
- Housings

General Information				
Filler / Reinforcement		Glass Fiber,40% 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	1.46	--	g/cm ³	ISO 1183/A
Hardness	Dry	Conditioned	Unit	Test Method
Shore Hardness (Shore D)	85	79		ISO 868
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Stress (Break)	195	130	MPa	ISO 527-2
Tensile Strain (Break)	3.0	6.0	%	ISO 527-2
Flexural Modulus	11500	6100	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	11	18	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	65	75	kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength	16	22	kJ/m ²	ISO 180/1A
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	235	--	°C	ISO 75-2/Af
Melting Temperature (DSC)	243	--	°C	ISO 3146
CLTE - Flow	3.0E-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	35	30	kV/mm	IEC 60243-1
Comparative Tracking Index (Solution A)	550	--	V	IEC 60112

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