

ADDINYL B2 V40

Polyamide 6

ADDIPLAST

Message:

ADDINYL B2 V40 is a Polyamide 6 (Nylon 6) material filled with 40% glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, or Latin America. Primary attribute of ADDINYL B2 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) | 83 | 77 | | ISO 868 |
| Mechanical | Dry | Conditioned | Unit | Test Method |
| Tensile Stress (Break) | 195 | 120 | MPa | ISO 527-2 |
| Tensile Strain (Break) | 2.0 | 4.0 | % | ISO 527-2 |
| Flexural Modulus | 11000 | 6200 | MPa | ISO 178 |
| Impact | Dry | Conditioned | Unit | Test Method |
| Charpy Notched Impact Strength | 12 | 19 | kJ/m ² | ISO 179/1eA |
| Charpy Unnotched Impact Strength | 65 | 75 | kJ/m ² | ISO 179/1eU |
| Notched Izod Impact Strength | 18 | 23 | 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 | 2.5E-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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