

ADDINYL A2 V40

Polyamide 66

ADDIPLAST

Message:

ADDINYL A2 V40 is a Polyamide 66 (Nylon 66) material filled with 40% glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, or Latin America. Primary attribute of ADDINYL A2 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) | 86 | 81 | | ISO 868 |
| Mechanical | Dry | Conditioned | Unit | Test Method |
| Tensile Stress (Break) | 210 | 160 | MPa | ISO 527-2 |
| Tensile Strain (Break) | 2.0 | 4.0 | % | ISO 527-2 |
| Flexural Modulus | 10500 | 7700 | MPa | ISO 178 |
| Impact | Dry | Conditioned | Unit | Test Method |
| Charpy Notched Impact Strength | 11 | 16 | kJ/m ² | ISO 179/1eA |
| Charpy Unnotched Impact Strength | 70 | 75 | kJ/m ² | ISO 179/1eU |
| Notched Izod Impact Strength | 13 | 17 | kJ/m ² | ISO 180/1A |
| Thermal | Dry | Conditioned | Unit | Test Method |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 255 | -- | °C | ISO 75-2/Af |
| Melting Temperature (DSC) | 260 | -- | °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+13 | ohms·cm | IEC 60093 |
| Electric Strength | 35 | 30 | kV/mm | IEC 60243-1 |
| Comparative Tracking Index (Solution A) | 600 | -- | V | IEC 60112 |

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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