

# ADDINYL A2 V15

Polyamide 66

ADDIPLAST

Message:

ADDINYL A2 V15 is a Polyamide 66 (Nylon 66) material filled with 15% glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, or Latin America. Primary attribute of ADDINYL A2 V15: Rigid.

Typical applications include:

- Automotive
- Appliances
- Electrical/Electronic Applications
- Housings

| General Information                               |        |                                    |          |             |
|---|--------|------------------------------------|----------|-------------|
| Filler / Reinforcement                            |        | Glass Fiber,15% 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   | 1.25   | --                                 | g/cm³    | 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)                            | 130    | 90.0                               | MPa      | ISO 527-2   |
| Tensile Strain (Break)                            | 5.0    | 13                                 | %        | ISO 527-2   |
| Flexural Modulus                                  | 6000   | 3500                               | MPa      | ISO 178     |
| Impact  | Dry    | Conditioned                        | Unit     | Test Method |
| Charpy Notched Impact Strength                    | 4.5    | 5.0                                | kJ/m²    | ISO 179/1eA |
| Charpy Unnotched Impact Strength                  | 30     | 55                                 | kJ/m²    | ISO 179/1eU |
| Notched Izod Impact Strength                      | 5.0    | 5.5                                | kJ/m²    | ISO 180/1A  |
| Thermal   | Dry    | Conditioned                        | Unit     | Test Method |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 250    | --                                 | °C       | ISO 75-2/Af |
| Melting Temperature (DSC)                         | 260    | --                                 | °C       | ISO 3146    |
| CLTE - Flow                                       | 3.5E-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                       | 33      | 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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