

PRODUCT DATA SHEET



AGILON6633GFSN

Product Description

Polyamide 66 - 33% Glass filled

Product Applications

Automotive, Electronics & Electrical ,Furniture ,Railways etc.

General

Filler/Reinforcement - Glass fiber
Forms - Pellets
Appearance/Color - Natural
Processing Method - Injection molding

| Physical | Typical Value | Unit | Test Method |
|------------------|---------------|------|-------------|
| Specific Gravity | 1.40 | | ASTM D -792 |

| Mechanical | DAM | Unit | Test Method |
|------------------------------|------|----------|-------------|
| Tensile Strength | 200 | Mpa | ASTM D-638 |
| Elongation at Break | 3.5 | % | ASTM D-638 |
| Flexural strength | 280 | MPa | ASTM D-790 |
| Flexural Modulus | 9200 | MPa | ASTM D-790 |
| Notched Izod Impact strength | 12 | Kg.cm/cm | ASTM D-256A |



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| Thermal | DAM | Unit | Test Method |
|---------------------|-----|------|---------------|
| Melting Temperature | 260 | °C | ISO11357-1/-3 |

| Flammability | | | |
|-------------------|----|-------|------|
| Burning Behaviour | HB | Class | UL94 |

Drying conditions

It is recommended to pre dry Nylon granules at 85-100 °C for 3-4 Hrs.
Moisture content after drying should be <0.2%.
Avoid sudden cooling of dry pellet.

Injection Molding conditions (°C)

| Feed Zone | Centre | Nozzle | Melt | Mould |
|-----------|---------|---------|---------|-------|
| 250-270 | 265-280 | 270-280 | 255-270 | 60-80 |

Note

All Properties measured at 23 Deg. / 50% RH on dry-as-moulded test specimens. Only typical data for material selection purposes only. Users have to establish material suitability. The information & data presented herein are to the best of our knowledge. No warranty or guarantee expressed or implied is made regarding performance. The information and data are subject to change without prior intimation based on research and development work undertaken by the company.

Plant

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