

TECNOPRENE® AK4U1

TECNOPRENE®

Polypropylene, homopolymer, 20% glass fiber reinforced, chemically coupled, UV stabilised.

Product information

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|----------------------|-----------|-----------|
| Resin Identification | PP-GF20 | ISO 1043 |
| Part Marking Code | >PP-GF20< | ISO 11469 |

Rheological properties

| | | |
|----------------------------------|-------------|----------|
| Melt mass-flow rate | 3.7 g/10min | ISO 1133 |
| Melt mass-flow rate, Temperature | 230 °C | |
| Melt mass-flow rate, Load | 2.16 kg | |

Typical mechanical properties

| | | |
|--------------------------------------|----------------------|--------------|
| Tensile modulus | 4600 MPa | ISO 527-1/-2 |
| Tensile stress at break, 5mm/min | 70 MPa | ISO 527-1/-2 |
| Tensile strain at break, 5mm/min | 3.5 % | ISO 527-1/-2 |
| Flexural modulus | 4300 MPa | ISO 178 |
| Flexural strength | 110 MPa | ISO 178 |
| Charpy notched impact strength, 23°C | 11 kJ/m ² | ISO 179/1eA |
| Izod notched impact strength, 23°C | 11 kJ/m ² | ISO 180/1A |
| Poisson's ratio | 0.36 ^[C] | |

[C]: Calculated

Thermal properties

| | | |
|---|--------|-------------|
| Temperature of deflection under load, 1.8 MPa | 141 °C | ISO 75-1/-2 |
|---|--------|-------------|

Flammability

| | | |
|--------------------------------------|----------|-----------------|
| Burning Behav. at 1.5mm nom. thickn. | HB class | IEC 60695-11-10 |
| Burning Behav. at thickness h | HB class | IEC 60695-11-10 |
| Thickness tested | 3.2 mm | IEC 60695-11-10 |

Physical/Other properties

| | | |
|---------|------------------------|----------|
| Density | 1040 kg/m ³ | ISO 1183 |
|---------|------------------------|----------|

Characteristics

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|-------------------------|--------------------------------------|
| Processing | Injection Moulding |
| Special characteristics | U.V. stabilised or stable to weather |

Additional information

Processing Notes

Storage

This product should be stored in a covered facility and kept away from moisture and heat.

Automotive

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|----------|----------|
| OEM | STANDARD |
| VW Group | VW 44045 |