

TECNOPRENE® 3K6F

Polypropylene copolymer, 30% glass fiber reinforced, chemically coupled.

Typical mechanical properties

| | | |
|--------------------------------------|----------------------|--------------|
| Tensile Modulus | 6100 MPa | ISO 527-1/-2 |
| Stress at break, 5mm/min | 75 MPa | ISO 527-1/-2 |
| Strain at break, 5mm/min | 3.5 % | ISO 527-1/-2 |
| Flexural Modulus | 5600 MPa | ISO 178 |
| Flexural Strength | 120 MPa | ISO 178 |
| Charpy notched impact strength, 23°C | 14 kJ/m ² | ISO 179/1eA |
| Izod notched impact strength, 23°C | 16 kJ/m ² | ISO 180/1A |

Thermal properties

| | | |
|---|--------|-------------|
| Temp. of deflection under load, 1.8 MPa | 145 °C | ISO 75-1/-2 |
|---|--------|-------------|

Flammability

| | | |
|--------------------------------------|----------|-------|
| Burning Behav. at 1.5mm nom. thickn. | HB class | UL 94 |
| Burning Behav. at thickness h | HB class | UL 94 |

Other properties

| | | |
|---------|------------------------|----------|
| Density | 1120 kg/m ³ | ISO 1183 |
|---------|------------------------|----------|

Injection

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|---------------------------------|-------------|
| Drying Temperature | 80 - 100 °C |
| Drying Time, Dehumidified Dryer | 2 - 3 h |
| Max. mould temperature | 50 - 80 °C |

Processing Texts

Longer pre-drying times/storage This product should be stored in a covered facility and kept away from moisture and heat.