

# TECNOPRENE® A60K6 T1

## TECNOPRENE®

Polypropylene, homopolymer, 30% glass fiber reinforced, chemically coupled, high heat stabilisation

### Product information

|                      |           |           |
|----------------------|-----------|-----------|
| Resin Identification | PP-GF30   | ISO 1043  |
| Part Marking Code    | >PP-GF30< | ISO 11469 |

### Rheological properties

|                                  |             |          |
|----------------------------------|-------------|----------|
| Melt mass-flow rate              | 2.8 g/10min | ISO 1133 |
| Melt mass-flow rate, Temperature | 230 °C      |          |
| Melt mass-flow rate, Load        | 2.16 kg     |          |

### Typical mechanical properties

|                                    |                      |              |
|------------------------------------|----------------------|--------------|
| Tensile modulus                    | 6600 MPa             | ISO 527-1/-2 |
| Tensile stress at break, 5mm/min   | 85 MPa               | ISO 527-1/-2 |
| Tensile strain at break, 5mm/min   | 3.2 %                | ISO 527-1/-2 |
| Flexural modulus                   | 6000 MPa             | ISO 178      |
| Flexural strength                  | 130 MPa              | ISO 178      |
| Charpy impact strength, 23°C       | 50 kJ/m <sup>2</sup> | ISO 179/1eU  |
| Izod notched impact strength, 23°C | 11 kJ/m <sup>2</sup> | ISO 180/1A   |
| Poisson's ratio                    | 0.35 <sup>[C]</sup>  |              |

[C]: Calculated

### Thermal properties

|   |        |             |
|---|--------|-------------|
| Temperature of deflection under load, 1.8 MPa | 146 °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 | 1130 kg/m <sup>3</sup> | ISO 1183 |
|---------|------------------------|----------|

### Characteristics

|                         |                                   |
|-------------------------|-----------------------------------|
| Processing              | Injection Moulding                |
| Special characteristics | Heat stabilised or stable to heat |

### Additional information

Processing Notes

### Storage

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