

# TECNOPRENE® AK6LE

Polypropylene, homopolymer, 30% glass fiber reinforced, chemically coupled, low emission.

## Typical mechanical properties

|                                      |                      |              |
|--------------------------------------|----------------------|--------------|
| Tensile Modulus                      | 6600 MPa             | ISO 527-1/-2 |
| Stress at break, 5mm/min             | 80 MPa               | ISO 527-1/-2 |
| Strain at break, 5mm/min             | 3.3 %                | ISO 527-1/-2 |
| Flexural Modulus                     | 6100 MPa             | ISO 178      |
| Flexural Strength                    | 135 MPa              | ISO 178      |
| Charpy impact strength, 23°C         | 50 kJ/m <sup>2</sup> | ISO 179/1eU  |
| Charpy notched impact strength, 23°C | 11 kJ/m <sup>2</sup> | ISO 179/1eA  |
| Izod notched impact strength, 23°C   | 11 kJ/m <sup>2</sup> | ISO 180/1A   |

## Thermal properties

|                                         |        |             |
|-----------------------------------------|--------|-------------|
| Temp. of deflection under load, 1.8 MPa | 144 °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 | 1130 kg/m <sup>3</sup> | ISO 1183 |
|---------|------------------------|----------|

## Injection

|                                 |             |          |
|---------------------------------|-------------|----------|
| Drying Temperature              | 80 - 100 °C |          |
| Drying Time, Dehumidified Dryer | 2 - 3 h     |          |
| Melt Temperature Optimum        | 230 °C      | Internal |
| 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.

## Other Approvals

Other Approvals

| OEM   | Specification  | Additional Information |
|-------|----------------|------------------------|
| Bosch | N28 BN09-GF034 | Natural & Black        |

