# TECNOPRENE® FK6T1 LE

TECNOPRENE®

## Product information

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

## Rheological properties

| | | | |
|---|---|---|---|
| Melt mass-flow rate | 1.5 | g/10min | ISO 1133 |
| Melt mass-flow rate, Temperature | 446 | °F | |
| Melt mass-flow rate, Load | 4.76 | lb | |
| Molding shrinkage, parallel | 0.5 | % | ISO 294-4, 2577 |
| Molding shrinkage range, parallel | 0.3 - 0.6 | % | ISO 294-4, 2577 |
| Molding shrinkage, normal | 0.8 | % | ISO 294-4, 2577 |
| Molding shrinkage range, normal | 0.7 - 1 | % | ISO 294-4, 2577 |

## Typical mechanical properties

| | | | |
|---|---|---|---|
| Tensile modulus | 972000 | psi | ISO 527-1/-2 |
| Tensile stress at break, 5mm/min | 12000 | psi | ISO 527-1/-2 |
| Tensile strain at break, 5mm/min | 3.5 | % | ISO 527-1/-2 |
| Flexural modulus | 957000 | psi | ISO 178 |
| Charpy impact strength, 23°C | 27.1 | ftlb/in$^2$ | ISO 179/1eU |
| Charpy notched impact strength, 23°C | 6.66 | ftlb/in$^2$ | ISO 179/1eA |

## Thermal properties

| | | | |
|---|---|---|---|
| Temperature of deflection under load, 1.8 MPa | 307 | °F | ISO 75-1/-2 |

## Flammability

| | | | |
|---|---|---|---|
| FMVSS Class | B | | ISO 3795 (FMVSS 302) |
| Burning rate, Thickness 2 mm | 1.77 | in/min | ISO 3795 (FMVSS 302) |

## Physical/Other properties

| | | | |
|---|---|---|---|
| Density | 0.0408 | lb/in$^3$ | ISO 1183 |

## Injection

| | | |
|---|---|---|
| Ejection temperature | 232 | °F |

## Automotive

| OEM | STANDARD | ADDITIONAL INFORMATION |
|---|---|---|
| General Motors | GMW16607P-PP-GF30 | Black |
| Stellantis | MS.50042 / PP-H.GF30.9400F.9I.HS | CPN3580;ASTMD5857114G30Z1 |
| Stellantis - Chrysler | MS.50042 / CPN-3580 | Black;ASTMD5857114G30Z1 |

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## Characteristics

| | |
|---|---|
| Processing | Injection Molding |
| Special characteristics | Heat stabilized or stable to heat, Low emissions |



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