

# TECNOPRENE® FK10

## TECNOPRENE®

Polypropylene, homopolymer, 50% glass fiber reinforced, chemically coupled.

### Product information

Resin Identification	PP-GF50	ISO 1043
Part Marking Code	>PP-GF50<	ISO 11469

### Rheological properties

Melt mass-flow rate	5 g/10min	ISO 1133
Melt mass-flow rate, Temperature	230 °C	
Melt mass-flow rate, Load	2.16 kg	

### Typical mechanical properties

Tensile stress at break, 5mm/min	105 MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	2.5 %	ISO 527-1/-2
Flexural modulus	10800 MPa	ISO 178
Flexural strength	170 MPa	ISO 178
Charpy notched impact strength, 23°C	11.5 kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, 23°C	12 kJ/m <sup>2</sup>	ISO 180/1A

### Thermal properties

Temperature of deflection under load, 1.8 MPa	151 °C	ISO 75-1/-2
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### 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
FMVSS Class	B	ISO 3795 (FMVSS 302)
Burning rate, Thickness 1 mm	70.2 mm/min	ISO 3795 (FMVSS 302)

### Physical/Other properties

Density	1330 kg/m <sup>3</sup>	ISO 1183
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### Characteristics

Processing	Injection Moulding
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### Additional information

Processing Notes

### Storage

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

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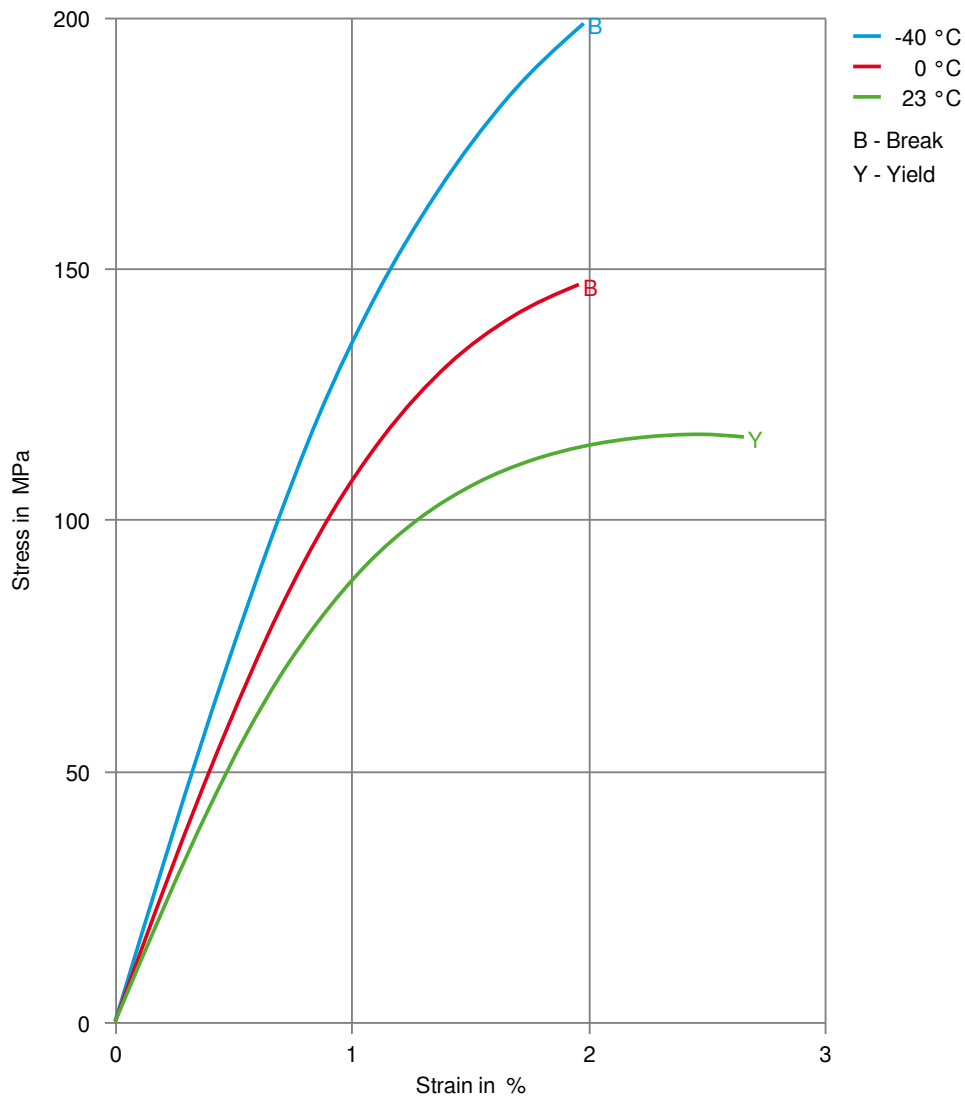
## Automotive

OEM  
Stellantis - Chrysler

STANDARD  
MS.50042 / CPN-5223

ADDITIONAL INFORMATION  
Natural

## Stress-strain



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Secant modulus-strain

