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# POLIFOR® L15 GF/30 H3 X3

POLIFOR®

Polypropylene, homopolymer, 30% glass fiber reinforced, chemically coupled, Heat stabilized; May contain recycled plastics, content depends on plastics availability

## Product information

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

## Rheological properties

| | | | |
|---|---|---|---|
| Melt mass-flow rate | 6 | g/10min | ISO 1133 |
| Melt mass-flow rate, Temperature | 230 | °C | |
| Melt mass-flow rate, Load | 2.16 | kg | |

## Typical mechanical properties

| | | | |
|---|---|---|---|
| Tensile modulus | 6400 | MPa | ISO 527-1/-2 |
| Tensile stress at break, 5mm/min | 70 | MPa | ISO 527-1/-2 |
| Tensile strain at break, 5mm/min | 3.3 | % | ISO 527-1/-2 |
| Flexural modulus | 6100 | MPa | ISO 178 |
| Charpy impact strength, 23°C | 40 | kJ/m² | ISO 179/1eU |
| Charpy notched impact strength, 23°C | 9 | kJ/m² | ISO 179/1eA |
| Poisson's ratio | 0.35[C] | | |

[C]: Calculated

## Thermal properties

| | | | |
|---|---|---|---|
| Temperature of deflection under load, 1.8 MPa | 138 | °C | ISO 75-1/-2 |

## Physical/Other properties

| | | | |
|---|---|---|---|
| Density | 1130 | kg/m³ | ISO 1183 |

## Characteristics

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

## Automotive

| OEM | STANDARD |
|---|---|
| Mercedes-Benz | DBL5416 |

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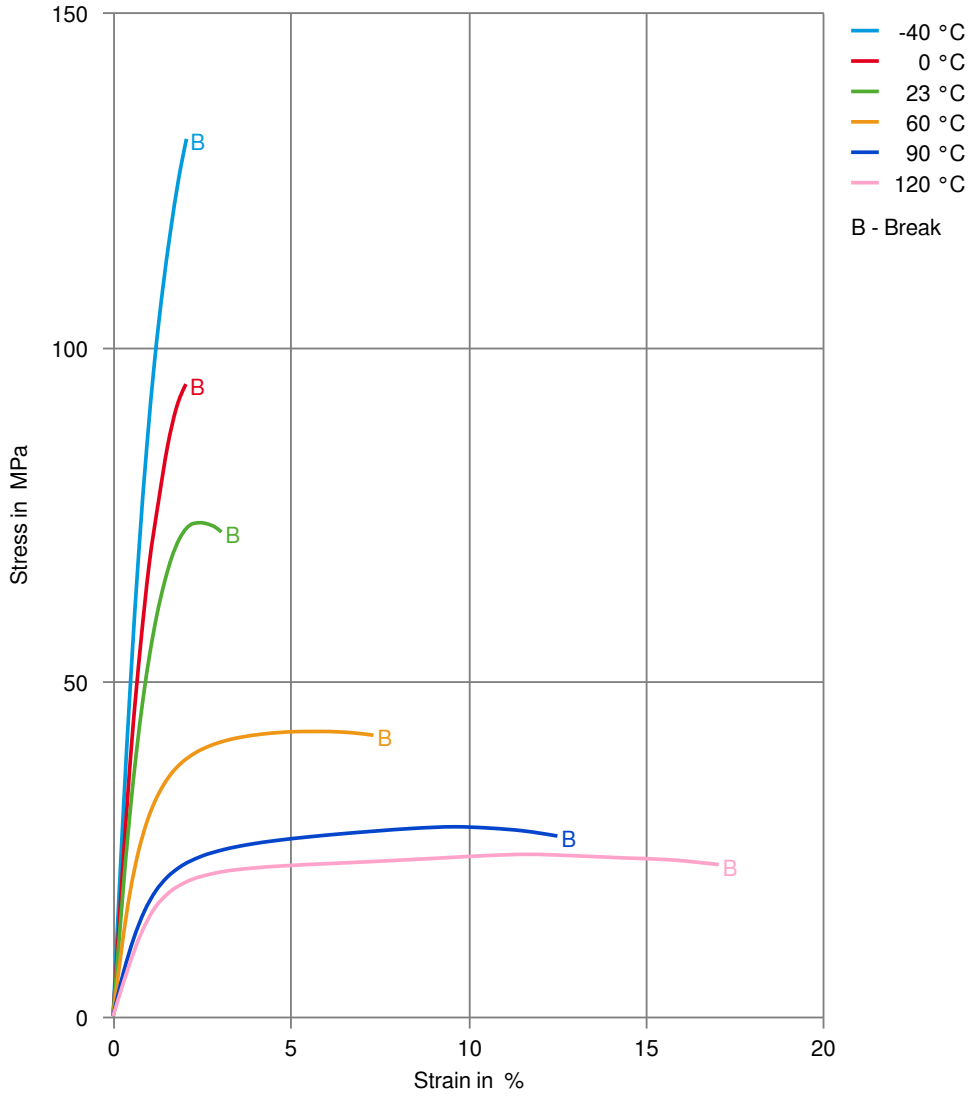
## Stress-strain



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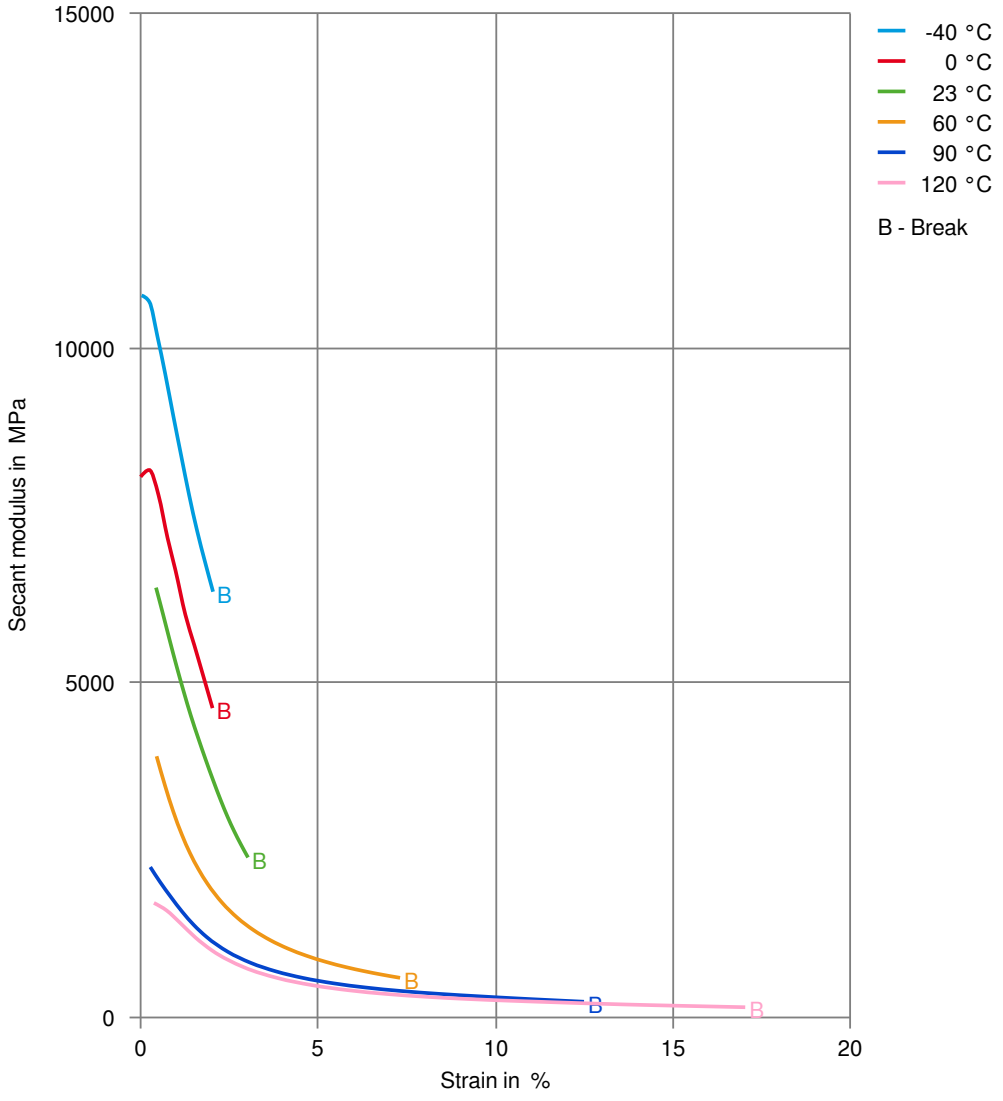
## Secant modulus-strain






Revised: 2024-11-26 Source: Celanese Materials Database