# POLIFOR® L12 GF/20 H X2

POLIFOR®

Polypropylene, homopolymer, 20% glass fiber reinforced, chemically coupled, heat stabilised.

## Product information

| | | | |
|---|---|---|---|
| Resin Identification | PP-GF20 | | ISO 1043 |
| Part Marking Code | >PP-GF20< | | ISO 11469 |

## Rheological properties

| | | | |
|---|---|---|---|
| Melt mass-flow rate | 9 | g/10min | ISO 1133 |
| Melt mass-flow rate, Temperature | 446 | °F | |
| Melt mass-flow rate, Load | 4.76 | lb | |

## Typical mechanical properties

| | | | |
|---|---|---|---|
| Tensile modulus | 653000 | psi | ISO 527-1/-2 |
| Tensile stress at break, 5mm/min | 8990 | psi | ISO 527-1/-2 |
| Flexural modulus | 595000 | psi | ISO 178 |
| Flexural strength | 13100 | psi | ISO 178 |
| Charpy impact strength, 23°C | 21.4 | ftlb/in² | ISO 179/1eU |
| Charpy notched impact strength, 23°C | 2.85 | ftlb/in² | ISO 179/1eA |
| Izod notched impact strength, 23°C | 2.85 | ftlb/in² | ISO 180/1A |

## Thermal properties

| | | | |
|---|---|---|---|
| Temperature of deflection under load, 1.8 MPa | 266 | °F | 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 | 0.1260 | in | IEC 60695-11-10 |

## Physical/Other properties

| | | | |
|---|---|---|---|
| Density | 0.0379 | lb/in³ | ISO 1183 |

## Automotive

| OEM | STANDARD |
|---|---|
| General Motors | GMW16607P-PP-GF20 |
| Stellantis | MS.50042 / PP-H-R.GF20.3200F.6I |

## Characteristics

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



Revised: 2024-01-23 Source: Celanese Materials Database

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