

# 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	230 °C	
Melt mass-flow rate, Load	2.16 kg	

### Typical mechanical properties

Tensile modulus	4500 MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	62 MPa	ISO 527-1/-2
Flexural modulus	4100 MPa	ISO 178
Flexural strength	90 MPa	ISO 178
Charpy impact strength, 23 °C	45 kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, 23 °C	6 kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, 23 °C	6 kJ/m <sup>2</sup>	ISO 180/1A
Poisson's ratio	0.36 <sup>[C]</sup>	
[C]: Calculated		

### Thermal properties

Temperature of deflection under load, 1.8 MPa	130 °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

### Physical/Other properties

Density	1050 kg/m <sup>3</sup>	ISO 1183
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### Characteristics

Processing	Injection Moulding
Special characteristics	Heat stabilised or stable to heat

### Automotive

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

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