Celanese
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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/m²	ISO 179/1eU
Charpy notched impact strength, 23°C	6	kJ/m²	ISO 179/1eA
Izod notched impact strength, 23°C	6	kJ/m²	ISO 180/1A
Poisson's ratio	0.36[C]		

[C]: Calculated

Thermal properties

Temperature of deflection under load, 1.8 MPa	130	°C	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	3.2	mm	IEC 60695-11-10

Physical/Other properties

Density	1050	kg/m³	ISO 1183

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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