

LITEPOL® L15 GFHB/1020 NERO

LITEPOL®

Polypropylene, 10% glass fiber and 20% hollow glass bubbles reinforced, chemically coupled, low density.

Product information

Resin Identification	PP-(GF+GB)30	ISO 1043
Part Marking Code	>PP-(GF+GB)30<	ISO 11469

Rheological properties

Melt mass-flow rate	8 g/10min	ISO 1133
Melt mass-flow rate, Temperature	230 °C	
Melt mass-flow rate, Load	2.16 kg	
Moulding shrinkage range, parallel	0.4 - 0.6 %	ISO 294-4, 2577
Moulding shrinkage range, normal	0.5 - 0.7 %	ISO 294-4, 2577

Typical mechanical properties

Tensile modulus	3400 MPa	ISO 527-1/-2
Tensile stress at yield, 50mm/min	45 MPa	ISO 527-1/-2
Tensile strain at yield, 50mm/min	3 %	ISO 527-1/-2
Tensile strain at break, 50mm/min	3.5 %	ISO 527-1/-2
Flexural modulus	3200 MPa	ISO 178
Charpy impact strength, 23°C	30 kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C	5.5 kJ/m ²	ISO 179/1eA
Izod notched impact strength, 23°C	6.5 kJ/m ²	ISO 180/1A
Poisson's ratio	0.37 ^[C]	

[C]: Calculated

Thermal properties

Temperature of deflection under load, 1.8 MPa	130 °C	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	105 °C	ISO 306
Coefficient of linear thermal expansion (CLTE), parallel	47.1 E-6/K	ISO 11359-1/-2
Coefficient of linear thermal expansion (CLTE), normal	104 E-6/K	ISO 11359-1/-2

Flammability

Burning Behav. at 1.5mm nom. thickn.	HB class	IEC 60695-11-10
Thickness tested	1.5 mm	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 2 mm	76.2 mm/min	ISO 3795 (FMVSS 302)

Physical/Other properties

Density	830 kg/m ³	ISO 1183
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Injection

Back pressure 2 MPa

Characteristics

Processing Injection Moulding

Additional information

Processing Notes

Storage

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

Automotive

OEM
Stellantis

STANDARD
MS.50042 / PP-H.GB20-GF10.2700F.6I

ADDITIONAL INFORMATION
Dashboard structural parts