

LITEPOL® L15 GFHB/1020 NERO

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

Typical mechanical properties

Tensile Modulus	3400 MPa	ISO 527-1/-2
Yield stress, 50mm/min	45 MPa	ISO 527-1/-2
Yield strain, 50mm/min	3 %	ISO 527-1/-2
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

Thermal properties

Temp. of deflection under load, 1.8 MPa	130 °C	ISO 75-1/-2
Vicat softening temperature, 50°C/h, 50N	105 °C	ISO 306
Coeff. of linear therm. expansion, parallel	47 E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	104 E-6/K	ISO 11359-1/-2

Flammability

Burning Behav. at 1.5mm nom. thickn.	HB class	UL 94
Burning Behav. at thickness h	HB class	UL 94

Other properties

Density	830 kg/m ³	ISO 1183
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Injection

Drying Temperature	80 - 100 °C
Drying Time, Dehumidified Dryer	2 - 3 h
Max. mould temperature	50 - 80 °C
Back pressure	2 MPa
Injection speed	low-medium

Processing Texts

Longer pre-drying times/storage

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

Other Approvals

Other Approvals

OEM	Specification
Stellantis - FCA Group	PP 110.60 LSG

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