



# LITEPOL® L15 GFHB/1020 NERO

**LITEPOL®** 

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

	_								-						
ı	ار	r	$\cap$	М	ш	C	t i	ır	١t		r	$\mathbf{r}$	2	ŤΙ	n
		ш		u	w	н.				u			П		 

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 <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, 23°C	5.5	kJ/m²	ISO 179/1eA
Izod notched impact strength, 23°C	6.5	kJ/m <sup>2</sup>	ISO 180/1A
Poisson's ratio	0.37 <sup>[C]</sup>		
[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	47.1 E-6/K	ISO 11359-1/-2
(CLTE), parallel		
Coefficient of linear thermal expansion (CLTE),	104 E-6/K	ISO 11359-1/-2
normal		

### 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	В	ISO 3795 (FMVSS 302)
Burning rate, Thickness 2 mm	76.2 mm/min	ISO 3795 (FMVSS 302)

## Physical/Other properties

Density	ty 830 kg/m <sup>3</sup>	ISO 1183

Printed: 2025-05-30 Page: 1 of 2

Revised: 2025-04-23 Source: Celanese Materials Database





# LITEPOL® L15 GFHB/1020 NERO

**LITEPOL®** 

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 STANDARD ADDITIONAL INFORMATION

Stellantis MS.50042 / PP-H.GB20-GF10.2700F.6I Dashboard structural parts

Printed: 2025-05-30 Page: 2 of 2

Revised: 2025-04-23 Source: Celanese Materials Database

NOTICE TO USERS: Values shown are based on testing of laboratory test specimens and represent data that fall within the standard range of properties for natural material. These values alone do not represent a sufficient basis for any part design and are not intended for use in establishing maximum, minimum, or ranges of values for specification purposes. Colourants or other additives may cause significant variations in data values. Properties of moulded parts can be influenced by a wide variety of factors including, but not limited to, material selection, additives, part design, processing conditions and environmental exposure. Other than those products expressly identified as medical grade (including by MT® product designation or otherwise), Celanese's products are not intended for use in medical or dental implants. Regardless of any such product designation, any determination of the suitability of a particular material and part design for any use contemplated by the users and the manner of such use is the sole responsibility of the users, who must assure themselves that the material as subsequently processed meets the needs of their particular product or use. To the best of our knowledge, the information contained in this publication is accurate; however, we do not assume any liability whatsoever for the accuracy and completeness of such information. The information contained in this publication should not be construed as a promise or guarantee of specific properties of our products. It is the sole responsibility of the users to investigate whether any existing patents are infringed by the use of the materials mentioned in this publication. Moreover, there is a need to reduce human exposure to many materials to the lowest practical limits in view of possible adverse effects. To the extent that any hazards may have been mentioned in this publication, we neither suggest nor guarantee that such hazards are the only ones that exist. We recommend that persons intending to rely on any recommendation or to use any e

© 2025 Celanese or its affiliates. All rights reserved. Celanese®, registered C-ball design and all other trademarks identified herein with ®, TM, SM, unless otherwise noted, are trademarks of Celanese or its affiliates. Fortron is a registered trademark of Fortron Industries LLC.