

LITEPOL® L15 GFHB/2010 - PP

Experimental Grade. Please contact your Celanese representative for further information.

Description

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

Physical properties

ISO	Value	Unit	Test Standard
Density	950	kg/m ³	ISO 1183

Mechanical properties

ISO	Value	Unit	Test Standard
Tensile modulus	4600	MPa	ISO 527-2/1A
Tensile stress at break, 5mm/min	60	MPa	ISO 527-2/1A
Tensile strain at break, 5mm/min	3	%	ISO 527-2/1A
Flexural modulus, 23 °C	4200	MPa	ISO 178
Flexural strength, 23 °C	100	MPa	ISO 178
Charpy impact strength, 23 °C	50	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23 °C	7.5	kJ/m ²	ISO 179/1eA
Izod impact notched, 23 °C	8	kJ/m ²	ISO 180/1A

Thermal properties

ISO	Value	Unit	Test Standard
DTUL at 1.8 MPa	135	°C	ISO 75-1, -2
Vicat softening temperature, 50 °C/h 50N	125	°C	ISO 306
Flammability @1.6mm nom. thickn.	HB	class	UL 94

Typical injection moulding processing conditions

Pre Drying

	DryTime	DryTemp
max	3 h	100 °C
min	2 h	80 °C

Temperature

	CavTemp	Nozzle Temp	Z3Temp	Z2Temp	Z1Temp
max	80 °C	260 °C	260 °C	240 °C	220 °C
min	50 °C	240 °C	240 °C	220 °C	200 °C

Other text information

Longer pre-drying times/storage

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

Characteristics

Product Categories

Mineral/Glass reinforced

Processing

Injection molding