POLIFOR® L6 GF/30 NATURALE - PP

Description

Polypropylene, homopolymer, 30% glass fiber reinforced, chemically coupled, suggested for use until 120°C as max operating temperature

Physical properties	Value	Unit	Test Standard
Density	**1120**	kg/m³	ISO 1183
Melt flow rate, MFR	**2.5**	g/10min	ISO 1133
MFR temperature	**230**	°C	ISO 1133
MFR load	**2.16**	kg	ISO 1133
Molding shrinkage, parallel	**0.1 - 0.4**	%	ISO 294-4, 2577
Molding shrinkage, normal	**0.4 - 0.8**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
Tensile modulus	**6700**	MPa	ISO 527-2/1A
Tensile stress at break, 5mm/min	**85**	MPa	ISO 527-2/1A
Tensile strain at break, 5mm/min	**3.5**	%	ISO 527-2/1A
Flexural modulus, 23°C	**6700**	MPa	ISO 178
Flexural strength, 23°C	**140**	MPa	ISO 178
Charpy impact strength, 23°C	**60**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, 23°C	**13**	kJ/m²	ISO 179/1eA
Izod impact notched, 23°C	**13**	kJ/m²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
DTUL at 1.8 MPa	**148**	°C	ISO 75-1, -2
Vicat softening temperature, 50°C/h 50N	**140**	°C	ISO 306
Flammability at thickness h	**HB**	class	UL 94
thickness tested (h)	**1.50**	mm	UL 94
UL recognition (h)	**UL**	-	UL 94

Typical injection moulding processing conditions

Pre Drying	Value	Unit	Test Standard
Drying time	**2 - 3**	h	-
Drying temperature	**80 - 100**	°C	-
Temperature	**Value**	**Unit**	**Test Standard**
Zone1 temperature	**200 - 220**	°C	-
Zone2 temperature	**220 - 240**	°C	-
Zone3 temperature	**240 - 260**	°C	-
Melt temperature	**240 - 260**	°C	-
Mold temperature	**50 - 80**	°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	Processing
Glass reinforced	Injection molding