

POLIFOR® L6 GF/30 UV - PP

Description

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

Physical properties	Value	Unit	Test Standard
Density	70.5	lb/ft ³	ISO 1183
Melt flow rate, MFR	3	g/10min	ISO 1133
MFR temperature	446	°F	ISO 1133
MFR load	4.76	lb	ISO 1133
Molding shrinkage, parallel (flow)	0.2 - 0.5	%	ISO 294-4, 2577
Molding shrinkage, transverse normal	0.4 - 0.8	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
Tensile modulus	971755	psi	ISO 527-1, -2
Tensile stress at break, 5mm/min	12300	psi	ISO 527-1, -2
Tensile strain at break, 5mm/min	3.5	%	ISO 527-1, -2
Flexural modulus, 23 °C	986000	psi	ISO 178
Izod impact notched, 23 °C	5.71	ft-lb/in ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
DTUL at 1.8 MPa	298	°F	ISO 75-1, -2
Vicat softening temperature, 50 °C/h 50N	280	°F	ISO 306
Flammability @1.6mm nom. thickn.	HB	class	UL 94
Flammability @3.2mm nom. thickn.	HB	class	UL 94

Typical injection moulding processing conditions

Pre Drying	Value	Unit
Drying time	2 - 3	h
Drying temperature	176 - 212	°F

Temperature	Value	Unit
Zone1 temperature	392 - 428	°F
Zone2 temperature	428 - 464	°F
Zone3 temperature	464 - 500	°F
Melt temperature	464 - 500	°F
Mold temperature	122 - 176	°F

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

Special Characteristics	UV resistant
Product Categories	Glass reinforced
Processing	Injection molding