

POLIFOR® L30 GF/20 H - PP

Description

Polypropylene, homopolymer, 20% glass fiber reinforced, chemically coupled, heat stabilised

Physical properties	Value	Unit	Test Standard
Density	64.9	lb/ft ³	ISO 1183
Melt flow rate, MFR	13	g/10min	ISO 1133
MFR temperature	446	°F	ISO 1133
MFR load	4.76	lb	ISO 1133

Mechanical properties	Value	Unit	Test Standard
Tensile modulus	652671	psi	ISO 527-1, -2
Tensile stress at break, 5mm/min	10200	psi	ISO 527-1, -2
Tensile strain at break, 5mm/min	3.5	%	ISO 527-1, -2
Flexural modulus, 23°C	638000	psi	ISO 178
Charpy notched impact strength, 23°C	3.57	ft-lb/in ²	ISO 179/1eA
Izod impact notched, 23°C	4.04	ft-lb/in ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
DTUL at 1.8 MPa	280	°F	ISO 75-1, -2
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
Nozzle 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	Heat resistant
Product Categories	Glass reinforced
Processing	Injection molding

