

POLIFOR® L12 GF/20 H NERO X2 - PP

Description

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

Physical properties	Value	Unit	Test Standard
Density	1050	kg/m ³	ISO 1183
Melt flow rate, MFR	9	g/10min	ISO 1133
MFR temperature	230	°C	ISO 1133
MFR load	2.16	kg	ISO 1133

Mechanical properties	Value	Unit	Test Standard
Tensile modulus	4500	MPa	ISO 527-2/1A
Tensile stress at break, 5mm/min	62	MPa	ISO 527-2/1A
Flexural modulus, 23°C	4100	MPa	ISO 178
Charpy impact strength, 23°C	45	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C	6	kJ/m ²	ISO 179/1eA
Izod impact notched, 23°C	6	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
DTUL at 1.8 MPa	130	°C	ISO 75-1, -2
Flammability @1.6mm nom. thickn.	HB	class	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	-
Nozzle temperature	240 - 260	°C	-
Mold temperature	50 - 80	°C	-

Characteristics

Special Characteristics	Processing
Auto spec approved	Injection molding

Product Categories

Glass reinforced