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Celanese
The chemistry inside innovation™

POLIFOR® CL50 GF/20 NATURALE - PP

Description

Polypropylene copolymer, 20% glass fiber reinforced, chemically coupled, high flow.

Physical properties	Value	Unit	Test Standard
Density	**1040**	kg/m³	ISO 1183
Melt flow rate, MFR	**17**	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	**5000**	MPa	ISO 527-2/1A
Tensile stress at break, 5mm/min	**65**	MPa	ISO 527-2/1A
Tensile strain at break, 5mm/min	**3.8**	%	ISO 527-2/1A
Flexural modulus, 23°C	**4200**	MPa	ISO 178
Flexural strength, 23°C	**90**	MPa	ISO 178
Charpy impact strength, 23°C	**60**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, 23°C	**12**	kJ/m²	ISO 179/1eA
Izod impact notched, 23°C	**13.5**	kJ/m²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
DTUL at 1.8 MPa	**144**	°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	-

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	Processing
High flow	Injection molding

Product Categories

Glass reinforced