

POLIFOR® L15 GF/30 H3 NERO 8146 (7C45) X3 - PP
Description

Polypropylene, homopolymer, 30% glass fiber reinforced, chemically coupled, Heat stabilized; based on recycled plastics, content depends on plastics availability

Physical properties	Value	Unit	Test Standard
Density	1130	kg/m ³	ISO 1183
Melt flow rate, MFR	6	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	6400	MPa	ISO 527-2/1A
Tensile stress at break, 5mm/min	70	MPa	ISO 527-2/1A
Tensile strain at break, 5mm/min	3.3	%	ISO 527-2/1A
Flexural modulus, 23°C	6100	MPa	ISO 178
Charpy impact strength, 23°C	40	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C	9	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
DTUL at 1.8 MPa	138	°C	ISO 75-1, -2

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	-
Mold temperature	50 - 80	°C	-

Characteristics
Product Categories

Glass reinforced

Processing

Injection molding