

POLIFOR® CL40 GF/30 - PP

Description

Polypropylene, copolymer, 30% glass fiber reinforced, chemically coupled

Physical properties	Value	Unit	Test Standard
Density	70.5	lb/ft ³	ISO 1183
Melt flow rate, MFR	15	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	949999	psi	ISO 527-1, -2
Tensile stress at break, 5mm/min	10200	psi	ISO 527-1, -2
Tensile strain at break, 5mm/min	2.5	%	ISO 527-1, -2
Flexural modulus, 23°C	928000	psi	ISO 178
Charpy impact strength, 23°C	23.8	ft-lb/in ²	ISO 179/1eU
Charpy notched impact strength, 23°C	5.23	ft-lb/in ²	ISO 179/1eA
Izod impact notched, 23°C	5.95	ft-lb/in ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
DTUL at 1.8 MPa	284	°F	ISO 75-1, -2
Flammability at thickness h	HB	class	UL 94
thickness tested (h)	0.0591	in	UL 94
UL recognition (h)	UL	-	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
Mold temperature	122 - 176	°F

Characteristics

Special Characteristics	Auto spec approved
Product Categories	Glass reinforced
Processing	Injection molding

Other Approvals

OEM	Specification
GM	GMW16892P-PP/PE-GF30