

POLIFOR® CL12 GF/15 V0-H - PP

Description

Polypropylene, copolymer, 15% glass fiber reinforced, chemically coupled, heat stabilised, UL listed V0

Physical properties	Value	Unit	Test Standard
Density	84.9	lb/ft ³	ISO 1183
Melt flow rate, MFR	6.5	g/10min	ISO 1133
MFR temperature	446	°F	ISO 1133
MFR load	4.76	lb	ISO 1133

Mechanical properties	Value	Unit	Test Standard
Tensile stress at break, 5mm/min	6530	psi	ISO 527-1, -2
Flexural modulus, 23°C	653000	psi	ISO 178
Charpy impact strength, 23°C	21.4	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	5.23	ft-lb/in ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
Flammability @3.2mm nom. thickn.	V-0	class	UL 94
Flammability at thickness h	V-0	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	374 - 410	°F
Zone2 temperature	392 - 428	°F
Zone3 temperature	410 - 446	°F
Nozzle temperature	410 - 446	°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	Flame retardant, Heat resistant
Product Categories	Glass reinforced
Processing	Injection molding
Additives	Flame retarding agent