

POLIFOR® L12 GF/15 V2 AS-UV NATURALE - PP

Description

Polypropylene, homopolymer, 15% glass fibre reinforced, chemically coupled, V2, UV stabilised, with antistatic additive.

Physical properties	Value	Unit	Test Standard
Density	1110	kg/m ³	ISO 1183
Melt flow rate, MFR	13	g/10min	ISO 1133
MFR temperature	230	°C	ISO 1133
MFR load	2.16	kg	ISO 1133

Mechanical properties	Value	Unit	Test Standard
Tensile stress at break, 5mm/min	60	MPa	ISO 527-2/1A
Tensile strain at break, 5mm/min	3.8	%	ISO 527-2/1A
Flexural modulus, 23°C	3400	MPa	ISO 178
Flexural strength, 23°C	90	MPa	ISO 178
Charpy impact strength, 23°C	40	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C	6	kJ/m ²	ISO 179/1eA
Izod impact notched, 23°C	6.5	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
DTUL at 1.8 MPa	132	°C	ISO 75-1, -2
Vicat softening temperature, 50°C/h 50N	116	°C	ISO 306
Flammability @1.6mm nom. thickn.	V-2	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	190 - 210	°C	-
Zone2 temperature	200 - 220	°C	-
Zone3 temperature	210 - 230	°C	-
Nozzle temperature	210 - 230	°C	-
Mold temperature	30 - 60	°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
Anti-static, Flame retardant, UV resistant	Injection molding
Product Categories	Additives
Glass reinforced	Flame retarding agent

