

Verplen® C30 01 A CL

Polypropylene
Prime Compound

Description:

Polypropylene Homopolymer, 30% glass fibre filled, chemically coupled, also available heat and UV stabilized

General

MFI (230°/2,16kg)	ISO 1133	2	g/10min
Density	ISO 1183	1.15	g/cm ³
Linear mould shrinkage	ASTM D955	0.2-0.4	%

Thermal

HDT/A (1,82MPa)	ISO 75A	140	°C
Vicat softening point (B50 (50N))	ISO 306	130	°C
Ball pressure test (75°C)	IEC 335	pass	°C

Mechanical

Izod notched impact strength (23°C)	ISO 180	12	kJ/m ²
Izod notched impact strength (-30°C)	ISO 180	5	kJ/m ²
Tensile stress at break	ISO 527	90	MPa
Elongation at break	ISO 527	3	%
Tensile modulus	ISO 527	6000	MPa
Flex modulus	ISO 178	5800	MPa

Flammability

Flammability (3,2mm)	UL94	HB	
Flammability (1,6mm)	UL94	HB	
Burning rate (FMVSS 302)	ISO 3795	35	mm/min
Glow wire flammability index (2,0 mm)	IEC 60695-2-12	650	°C

Various

Surface resistivity	IEC 60093	10E13	Ohm
Volume resistivity	IEC 60093	10E13	Ohm.cm
Dielectric rigidity (Oil 1mm)	IEC 60243-1	20	kV/mm
CTI	IEC 60112	600	V

The data and information contained herein are typical average values, based on our current level of knowledge and experience, and do not constitute sales specifications. No liability, warranty or guarantee of product performance is created by this document. It is the buyer's responsibility to inspect and test our products in order to determine the suitability for the buyer's application.

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