

Suplen® V30 LC

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Product description

PP homopolymer 30% glass fibre reinforced, medium flow rate, chemically coupled, intended for injection moulding with excellent thermal properties, high rigidity and high dimensional stability.

Applications

Hydraulic pumps
Washing machines parts

Air conveyors
Fans

Filter covers

Properties	Unit	Value	Conditions	Method
Physical				
Melt flow rate	g/10min	8	230 °C 2,16 Kg	ISO 1133
Density	g/cm ³	1,13		ISO 1183
Mechanical				
Tensile strength (yield)	MPa	--		ISO 527
Tensile strength (break)	MPa	90		ISO 527
Elongation at break	%	3		ISO 527
Flexural modulus	MPa	5700		ISO 178
Tensile modulus	MPa	5800		ISO 527
Notched IZOD impact strength	kJ/m ²	10	+23 °C	ISO 180/1A
Notched IZOD impact strength	kJ/m ²	4	-30 °C	ISO 180/1A
Thermal				
VICAT B50	°C	130		ISO 306
Heat Deflection Temperature HDT/A	°C	140		ISO 75
Ball Pressure test	°C	Pass	125 °C	IEC 335
Flammability				
Flammability		HB	3,2 mm	UL94
Flammability		HB	1,6 mm	UL94
Glow Wire Flammability Index (GWFI)	°C	650	2,0 mm	IEC 60695-2-12
Burning rate	mm/min	35	3,2 mm	FMVSS 302
Electrical				
Dielectric rigidity	KV/mm	20	Oil 1mm	IEC60243-1
Surface resistivity	Ohm	10¹³		IEC60093
Volume resistivity	Ohm x cm	10¹³		IEC60093
CTI Comparative Tracking Index	V	600		IEC 60112

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Process conditions

Melt temperature range:	210 - 250 °C
Mould temperature range:	50 - 70 °C
Linear mould shrinkage (ASTM D955)	0,2 - 0,4 %
Drying process:	not required

Storage

The product should be stored in dry conditions at temperatures below 50°C and protected from UV-light. An unsuitable storage can have negative effects on the physical properties of this product.

Safety

The product has not classified as dangerous. Please see the “Material safety data sheet” for details.

The information contained in this document has given in good faith based on our current knowledge. It is only an indication and it is in no way binding; therefore have no formal guarantee of validity.

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