

Suplen® T20

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Product description

PP homopolymer 20% talc filled, medium flow rate, intended for injection moulding with good rigidity and good aesthetic properties. High dimensional stability.

Applications

Outdoor furniture
Air conducts

Air conditioning parts
Small appliances

Air filters

Properties	Unit	Value	Conditions	Method
Physical				
Melt flow rate	g/10min	12	230 °C 2,16 Kg	ISO 1133
Density	g/cm ³	1,05		ISO 1183
Mechanical				
Tensile strength (yield)	MPa	34		ISO 527
Tensile strength (break)	MPa	20		ISO 527
Elongation at break	%	20		ISO 527
Flexural modulus	MPa	2600		ISO 178
Tensile modulus	MPa	-		ISO 527
Notched Izod impact strength	kJ/m ²	4	+23 °C	ISO 180/1A
Notched Izod impact strength	kJ/m ²	2,5	-30 °C	ISO 180/1A
Notched Charpy impact strength	kJ/m ²	3	+23 °C	ISO 179/1A
Unnotched Charpy impact strength	kJ/m ²	25	-30 °C	ISO 179/1U
Thermal				
VICAT B50	°C	98		ISO 306
Heat Deflection Temperature HDT/A (annealed)	°C	68		ISO 75
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	38	3,2 mm	FMVSS 302
Electrical				
Dielectric rigidity	KV/mm	24	Oil 1mm	IEC60243-1
Surface resistivity	Ohm	10 ^{E13}		IEC60093
Volume resistivity	Ohm x cm	10 ^{E14}		IEC60093
CTI Comparative Tracking Index	V	600		IEC 60112

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Process conditions

Melt temperature range:	200 - 230 °C
Mould temperature range:	50 - 70 °C
Linear mould shrinkage (ASTM D955)	0,8 - 1,2 %
Drying process:	2 hours at 70 - 90 °C

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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