

## Suplen® T40

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## Product description

PP homopolymer 40% talc filled, medium flow rate, intended for injection moulding with good rigidity and good aesthetic properties. Excellent dimensional stability.

## Applications

Air conducts

Air conditioning parts

Heather housings

Under the bonnet components

Properties	Unit	Value	Conditions	Method
<b>Physical</b>				
Melt flow rate	g/10min	<b>12</b>	230 °C 2,16 Kg	ISO 1133
Density	g/cm <sup>3</sup>	<b>1,24</b>		ISO 1183
<b>Mechanical</b>				
Tensile strength (yield)	MPa	<b>28</b>		ISO 527
Tensile strength (break)	MPa	<b>20</b>		ISO 527
Elongation at break	%	<b>6</b>		ISO 527
Flexural modulus	MPa	<b>3900</b>		ISO 178
Tensile modulus	MPa	-		ISO 527
Notched IZOD impact strength (notched)	kJ/m <sup>2</sup>	<b>3</b>	+23 °C	ISO 180/1A
Notched IZOD impact strength (notched)	kJ/m <sup>2</sup>	<b>2</b>	0 °C	ISO 180/1A
<b>Thermal</b>				
VICAT B50	°C	<b>100</b>		ISO 306
Heat Deflection Temperature HDT/A	°C	<b>80</b>		ISO 75
Ball Pressure test	°C	-	125 °C	IEC 335
<b>Flammability</b>				
Flammability		<b>HB</b>	3,2 mm	UL94
Flammability		<b>HB</b>	1,6 mm	UL94
Glow Wire Flammability Index (GWFI)	°C	-	2,0 mm	IEC 60695-2-12
Burning rate	mm/min	-	3,2 mm	FMVSS 302
<b>Electrical</b>				
Dielectric rigidity	KV/mm	-	Oil 1mm	IEC60243-1
Surface resistivity	Ohm	-		IEC60093
Volume resistivity	Ohm x cm	-		IEC60093
CTI Comparative Tracking Index	V	-		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 - 1,1 %
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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