

# Niplene T40

- Polypropylene homopolymer, filled with 40 % of talcum for injection moulding.
- Grade characterized by good processability, high stiffness, good dimensional stability and good aesthetics.
- Grade available also with heat stabilisation (SC)

	Properties	Test condition	Method	Unit	Value
Rheological	Melt Flow Index	230 °C / 2,16 Kg	ASTM D1238	g/10min	9
Mechanical	Flexural Maximum Stress	1,3 mm/min	ASTM D790	MPa	55
	Flexural Elastic Modulus	1,3 mm/min	ASTM D790	MPa	4100
	Izod Notched Impact Strength	23°C/3mm	ASTM D256	J/m	30
	Rockwell Hardness		ASTM D785	R-scale	104
	Tensile Modulus	5 mm/min	ASTM D638	MPa	6300
	Tensile Stress at Yield	5 mm/min	ASTM D638	MPa	30
Thermal	Vicat Softening Temperature	49N / 120°C/h	ASTM D 1525	°C	107
	Heat Distortion Temperature H.D.T	1.82 MPa	ASTM D648	°C	90
Flame Behaviour	Glow Wire Temperature (G.W.T)	S=2.0 mm	IEC 695-2-1	°C	650
	UL 94 Rating	S=1.6 mm	UL 94	class	HB
	UL 94 Rating	S=3.2 mm	UL 94	class	HB
Electrical	Relative Permittivity	1 Mhz - dry	IEC 60250	-	2,7
	Dissipation Factor	1 Mhz - dry	IEC 60250	-	0,001
	Dielectric Strength	S=1 mm	IEC 60243-1	KV/mm	60
	Surface Resistivity	dry	IEC 60093	Ω	10 <sup>14</sup>



	Properties	Test condition	Method	Unit	Value
					10 <sup>15</sup>
Various	Density		ASTM D792	g/cm <sup>3</sup>	1,24
	Humidity Content at Equilibrium	23°C / 50 % U.R.	ISO 62	%	-
	Moulding Shrinkage	parallel	-	%	0,4-0,8

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