

Niplene T40 HF

- Polypropylene homopolymer, filled with 40 % of talcum for injection moulding.

- Grade characterized by high fluidity, good processability high stiffness and good dimensional stability

	Properties	Test condition	Method	Unit	Value
Rheological	Melt Flow Index	230 °C / 2,16 Kg	ASTM D1238	g/10min	22
Mechanical	Tensile Stress at Yield	50 mm/min.	ASTM D638	MPa	30
	Flexural Maximum Stress	1,3 mm/min	ASTM D790	MPa	50
	Flexural Elastic Modulus	1,3 mm/min	ASTM D790	MPa	4000
	Izod Notched Impact Strength	23°C/3mm	ASTM D256	J/m	30
	Rockwell Hardness		ASTM D785	R-scale	106
	Elongation	50 mm/min	ASTM D638	%	20
Thermal	Vicat Softening Temperature	49N / 120°C/h	ASTM D 1525	°C	108
	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 ¹⁴
	Volume Resistivity	dry	IEC 60093	Ω cm	10 ¹⁵
Various	Moulding Shrinkage	parallel	-	%	0,4-0,8