

Niplene T10

Polypropylene homopolymer, talc filled at 10%, suitable for injection moulding.

	Properties	Test condition	Method	Unit	Value
Rheological	Melt Flow Index	230 °C / 2,16 Kg	ASTM D1238	g/10min	12
Mechanical	Tensile Stress at Yield	50 mm/min.	ASTM D638	MPa	25
	Flexural Maximum Stress	1,3 mm/min	ASTM D790	MPa	40
	Flexural Elastic Modulus	1,3 mm/min	ASTM D790	MPa	2100
	Rockwell Hardness		ASTM D785	R-scale	100
	Izod Notched Impact Strength	23°C/3,2 mm	ASTM D256	J/m	30
	Elongation	50 mm/min	ASTM D638	%	30
Thermal	Vicat Softening Temperature	49N / 120°C/h	ASTM D 1525	°C	100
	Heat Distortion Temperature H.D.T	1.82 MPa	ASTM D648	°C	70
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
	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	Density		ASTM D792	g/cm ³	0,98
	Moulding Shrinkage	parallel	-	%	0,6-1,2