

# Niplene T20/C E

- Polypropylene copolymer, filled with 20 % of talcum for extrusion of sheets and profiles and for extrusion blow moulding.

- Grade characterized by very low MFI and good balance impact/stiffness.

	Properties	Test condition	Method	Unit	Value
Rheological	Melt Flow Index	230 °C / 2,16 Kg	ASTM D1238	g/10min	1,5
Mechanical	Flexural Maximum Stress	1,3 mm/min	ASTM D790	MPa	37
	Flexural Elastic Modulus	1,3 mm/min	ASTM D790	MPa	2100
	Izod Notched Impact Strength	23°C/3mm	ASTM D256	J/m	150
	Rockwell Hardness		ASTM D785	R-scale	101
	Elongation	5mm/min	ASTM D638	%	>40
	Tensile Modulus	5 mm/min	ASTM D638	MPa	2750
	Tensile Stress at Yield	5 mm/min	ASTM D638	MPa	23
Thermal	Vicat Softening Temperature	49N / 120°C/h	ASTM D 1525	°C	85
	Heat Distortion Temperature H.D.T	1.82 MPa	ASTM D648	°C	70
	Heat Distortion Temperature H.D.T	0,455 MPa	ASTM D648	°C	118
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	1Mhz – dry	IEC 60250	-	2,7
	Dissipation Factor	1Mhz – dry	IEC 60250	-	0,001
	Dielectric Strength	S=1 mm	IEC 60243-1	KV/mm	60



	Properties	Test condition	Method	Unit	Value
					10 <sup>14</sup>
	Volume Resistivity	dry	IEC 60093	Ω cm	10 <sup>15</sup>
Various	Density		ASTM D792	g/cm <sup>3</sup>	1,05

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