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 Permettivity	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

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	Properties	Test condition	Method	Unit	Value
					10^14
	Volume Resistivity	dry	IEC 60093	Ω cm	10^15
Various	Density		ASTM D792	g/cm³	1,05

All values are approximate values and are given after the best knowledge and conscience. Hence, because of variable processing terms or processing procedures an obligation cannot be derived from it.

Tekuma Kunststoff GmbH is not the manufacturer of a.m. product. The information return the result of the quality inspection. An assurance of certain properties and qualities for specify uses cannot be derived. We recommend additional tests with regard to the suitability ability. Guarantee occurs within the scope of our general terms of sale and terms of delievery.

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