Niplene F2T4 AGR HF

- Polypropylene homopolymer reinforced with 10% of glass fibre (chemically bounded) and 20% of talcum.
- Grade developed for injection moulding of complex item, characterized by good fluidity, good balance of mechanical properties and low warpage.
- Grade available also with improved heat stabilisation (SC)

	Properties	Test condition	Method	Unit	Value
Rheological	Melt Flow Index	230 °C / 2,16 Kg	ASTM D1238	g/10min	13
Mechanical	Tensile Stress at Yield	50 mm/min.	ASTM D638	MPa	56
	Flexural Maximum Stress	1,3 mm/min	ASTM D790	MPa	90
	Flexural Elastic Modulus	1,3 mm/min	ASTM D790	MPa	4250
	Izod Notched Impact Strength	23°C/3mm	ASTM D256	J/m	60
	Rockwell Hardness		ASTM D785	R-scale	109
	Elongation	50 mm/min	ASTM D638	%	3,4
Thermal	Vicat Softening Temperature	49N / 120°C/h	ASTM D 1525	°C	120
	Heat Distortion Temperature H.D.T	1.82 MPa	ASTM D648	°C	135
	Linear Expansion Coefficient	23°C/55°C	ISO 11359-2	10^-5 K^-1	5
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

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	Properties	Test condition	Method	Unit	Value
					0,001
	Dielectric Strength	S=1 mm	IEC 60243-1	KV/mm	60
	Surface Resistivity	dry	IEC 60093	Ω	10^15
	Volume Resistivity	dry	IEC 60093	Ω cm	10^15
Various	Density		ASTM D792	g/cm³	1,13
	Humidity Content at Equilibrium	23°C / 50 % U.R.	ISO 62	%	0,13
	Moulding Shrinkage	parallel	-	%	0,3-0,9

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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