Niplene F30 AGR

Polypropylene homopolymer reinforced with 30 % of glass fibre, chemically bounded, heat stabilized

	Properties	Test condition	Method	Unit	Value
Rheological	Melt Flow Index	230 °C / 2,16 Kg	ASTM D1238	g/10min	4
Mechanical	Flexural Maximum Stress	1,3 mm/min	ASTM D790	MPa	140
	Flexural Elastic Modulus	1,3 mm/min	ASTM D790	MPa	6000
	Izod Notched Impact Strength	23°C/3mm	ASTM D256	J/m	130
	Izod Notched Impact Strength	-20°C/3mm	ASTM D256	J/m	80
	Rockwell Hardness		ASTM D785	R-scale	113
	Elongation	5mm/min	ASTM D638	%	3,3
	Tensile Modulus	5 mm/min	ASTM D638	MPa	7200
	Tensile Stress at Break	5 mm/min	ASTM D638	MPa	90
Thermal	Vicat Softening Temperature	49N / 120°C/h	ASTM D 1525	°C	140
	Heat Distortion Temperature H.D.T	1.82 MPa	ASTM D648	°C	153
	Linear Expansion Coefficient	23°C/55°C	ISO 11359-2	10^-5 K^-1	3
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
	Surface Resistivity	dry	IEC 60093	Ω	10^14

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	Properties	Test condition	Method	Unit	Value
					10^15
Various	Density		ASTM D792	g/cm³	1,12
	Humidity Content at Equilibrium	23°C / 50 % U.R.	ISO 62	%	0,1
	Moulding Shrinkage	parallel	-	%	0,2-0,6
	Moulding Shrinkage	transversal	-	%	0,3-0,8

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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