Niplene F30 AGR HI

Polypropylene homopolymer, reinforced with 30% glass fibre chemically coupled to the polymer matrix

Improved impact resistance grade.

	Properties	Test condition	Method	Unit	Value
Rheological	Melt Flow Index	230 °C / 2,16 Kg	ASTM D1238	g/10min	3
Mechanical	Tensile Stress at Break	5 mm/min	ASTM D638	MPa	90
	Flexural Maximum Stress	1,3 mm/min	ASTM D790	MPa	140
	Flexural Elastic Modulus	1,3 mm/min	ASTM D790	MPa	6000
	Rockwell Hardness		ASTM D785	R-scale	113
	Izod Notched Impact Strength	23°C/3,2 mm	ASTM D256	J/m	160
	Izod Notched Impact Strength	-20°C/3,2 mm	ASTM D256	J/m	90
	Elongation	5mm/min	ASTM D638	%	3,3
Thermal	Vicat Softening Temperature	49N / 120°C/h	ASTM D 1525	°C	146
	Heat Distortion Temperature H.D.T	1.82 MPa	ASTM D648	°C	158
	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
	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	1,12
	Humidity Content at Equilibrium	23°C / 50 % U.R.	ISO 62	%	0,1
	Moulding Shrinkage	parallel	-	%	0,2-0,6
	Moulding Shrinkage	transversal	-	%	0,4-0,8

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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