Niretan A F20

Polyamide 66 reinforced with 20% of glass fibre, for injection moulding of aesthetical parts

	Properties	Test condition	Method	Unit	Value
Mechanical	Tensile Stress at Break	5 mm/min	ASTM D638	MPa	140/100
	Flexural Maximum Stress	1,3 mm/min	ASTM D790	MPa	220/140
	Flexural Elastic Modulus	1,3 mm/min	ASTM D790	MPa	6500/4000
	Izod Notched Impact Strength	23°C/3mm	ASTM D256	J/m	70/100
	Izod Notched Impact Strength	-20°C/3mm	ASTM D256	J/m	60/80
	Rockwell Hardness		ASTM D785	R-scale	116/90
	Elongation	50 mm/min	ASTM D638	%	3,0/4,5
Thermal	Heat Distortion Temperature H.D.T	1.82 MPa	ASTM D648	°C	245
	Linear Expansion Coefficient	23°C/55°C	ISO 11359-2	10^-5 K^-1	4
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	-	3,5/4,0
	Dissipation Factor	1 Mhz - dry	IEC 60250	-	0,02/0,1
	Dielectric Strength	S=1 mm	IEC 60243-1	KV/mm	30/35
	Surface Resistivity	dry	IEC 60093	□	10^14/10^13
	Volume Resistivity	dry	IEC 60093	□ □ cm	10^15/10^12
Various	Moulding Shrinkage	parallel	-	%	0,4-1,0
Physical	Density	23°C	ASTM D792	g/cm³	1,28
	Water Absorption	24h - 23°C	ASTM D570	%	8
	Humidity Absorption from Atmosphere	23°C - 50% HR	ASTM D570	%	2,4

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	Properties	Test condition	Method	Unit	Value
	Cristalline Melting Temperature	DSC	-	°C	260

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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