Niretan B SV30

Polyamide 6 filled with 30 % of glass spheres, for injection moulding of parts that needs rigidity, dimensional stability and isotropic properties.

	Properties	Test condition	Method	Unit	Value
Mechanical	Tensile Stress at Yield	50 mm/min.	ASTM D638	MPa	75-45
	Tensile Stress at Break	5 mm/min	ASTM D638	MPa	75-45
	Flexural Maximum Stress	1,3 mm/min	ASTM D790	MPa	100
	Flexural Elastic Modulus	1,3 mm/min	ASTM D790	MPa	4500-1500
	Izod Notched Impact Strength	23°C/3mm	ASTM D256	J/m	70-100
	Izod Notched Impact Strength	-20°C/3mm	ASTM D256	J/m	50-60
	Rockwell Hardness	23°C	ASTM D785	R-scale	110-80
	Elongation	50 mm/min	ASTM D638	%	3-10
Thermal	Heat Distortion Temperature H.D.T	1.82 MPa	ASTM D648	°C	120
	Linear Expansion Coefficient	23°C/55°C	ISO 11359-2	10∧-5 K∧-1	6
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	30/25
	Surface Resistivity	dry	IEC 60093	□	10∧14/10∧13
	Volume Resistivity	dry	IEC 60093	□ □ cm	10∧15/10∧12
Various	Moulding Shrinkage	parallel	-	%	0,5-1,2
Physical	Density	23°C	ASTM D792	g/cm³	1,32

TEKUMA KUNSTSTOFF GMBH
Röntgenstraße 2 21465 Reinbek Germany Telefon +49 40 727 702 - 0 Fax +49 40 722 89 69 info@tekuma.de
Geschäftsführer Constantin Maul Registergericht Lübeck HRB 1387 RE Ust-IdNr. DE135102242 St.Nr. 30 292 15675
www.tekuma.de

	Properties	Test condition	Method	Unit	Value
					6
	Humidity Absorption from Atmosphere	23°C – 50% HR	ASTM D570	%	2,4
	Cristalline Melting Temperature	DSC	-	°C	220

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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