

Niretan B CF1515

tion moulding of parts

Polyamide 6 reinforced with a mix glass fibre and mineral filler, for the injection

That need good isotropic properties.

	Properties	Test condition	Method	Unit	Value
Mechanical	Flexural Maximum Stress	1,3 mm/min	ASTM D790	MPa	160/90
	Flexural Elastic Modulus	1,3 mm/min	ASTM D790	MPa	6000/2600
	Rockwell Hardness		ASTM D785	R-scale	120/80
	Izod Notched Impact Strength	23°C/3,2 mm	ASTM D256	J/m	40/60
	Izod Notched Impact Strength	-20°C/3,2 mm	ASTM D256	J/m	30/30

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
					4/10
	Tensile Stress at Yield	5 mm/min	ASTM D638	MPa	120/60
Thermal	Heat Distortion Temperature H.D.T	1.82 MPa	ASTM D648	°C	60
	Linear Expansion Co-efficient	23°C/55°C	ISO 11359-2	10 ⁻⁵ K ⁻¹	10
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	Dielectric Strength	S=1 mm	IEC 60243-1	KV/mm	30/25
	Relative Permittivity	1 Mhz = secco	IEC 60250	-	3,5/4,0
	Dissipation Factor	1 Mhz = secco	IEC 60250	-	0,02/0,1
	Surface Resistivity	secco	IEC 60093	Ω	10 ¹⁴ /10 ¹³
	Volume Resistivity	secco	IEC 60093	Ω cm	10 ¹⁵ /10 ¹²
Various	Moulding Shrinkage	parallel	-	%	0,6/1,2
Physical	Density	23°C	ASTM D792	g/cm ³	1,36
	Water Absorption	24h - 23°C	ASTM D570	%	6-7
	Humidity Absorption from Atmosphere	23°C - 50% HR	ASTM D570	%	2
	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.

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