Niblend S45 HG

PC-ABS alloy of medium-high thermic resistence for the injection moulding of items

Requiring good aesthetic characteristics.

	Properties	Test condition	Method	Unit	Value
Rheological	Melt Flow Index	260°C / 5 kg	ASTM D1238	g/10min	20
Mechanical	Tensile Stress at Yield	50 mm/min.	ASTM D638	MPa	40
	Flexural Maximum Stress	1,3 mm/min	ASTM D790	MPa	65
	Flexural Elastic Modulus	1,3 mm/min	ASTM D790	MPa	2300
	Rockwell Hardness		ASTM D785	R-scale	115
	Izod Notched Impact Strength	23°C/3,2 mm	ASTM D256	J/m	400
	Izod Notched Impact Strength	-20°C/3,2 mm	ASTM D256	J/m	120
	Elongation	50 mm/min	ASTM D638	%	30
Thermal	Vicat Softening Temperature	49N / 120°C/h	ASTM D 1525	°C	117
	Heat Distortion Temperature H.D.T	1.82 MPa	ASTM D648	°C	106
	Coef. Dilatazione Termica Lineare	23/55 °C	ISO 11359-2	10^-5 K^-1	8
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	25
	Relative Permettivity	1 Mhz = secco	IEC 60250	-	2,9
	Dissipation Factor	1 Mhz = secco	IEC 60250	-	0,05
	Surface Resistivity	secco	IEC 60093	Ω	10^15
	Volume Resistivity	secco	IEC 60093	Ω cm	10^15
Various	Density		ASTM D792	g/cm³	1,1

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
					0,2
	Moulding Shrinkage	parallel	-	%	0,5-0,8

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.

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