

material:

Polyamid (PA-6)

frames / cornerpieces / connectors / extensions

Technical Data	Unit	Iso-CI F (155°C)	Testmethod
Mechanical Properties			
Strain at break	%	3,5 / 5,0	DIN EN ISO 527
Stress at breakdown	Mpa	170 / 110	DIN EN ISO 527
E-Module (tensile)	Mpa	9.000 / 5.500	DIN EN ISO 527
Flexural strenght	Mpa	240 / 175	DIN EN ISO 178
E-Modul (flexural)	Mpa	8.000	DIN EN ISO 178
Charpy-impact strenght (23°C)	kJ / m ²	50,0 / 60,0	DIN 53453
Charpy-notched impact strenght (23°C)	kJ / m ²	11 / 18	DIN 53453
Physical Properties			
Density	g / cm ³	1,36	ISO 1183
Moistureabsorption	%	2,0	DIN 53714
Waterabsorption	%	6,5	DIN 53495
Thermal Properties			
Trackingindex	°C	220	DIN EN ISO 3146
Temperature of deflection under load HDT A (1,8Mpa)	°C	205	DIN EN ISO 75
Vicat softening temperature VST B/50	°C	210	DIN EN ISO 306
Electrical Properties			
Trackingindex (Lsg. A)	CTI	500	IEC 112
Surface resistant	Ω	1E14 / 1E12	IEC 93
Volume resistivity	Ω / cm	1E15 / 1E12	IEC 93
Insulationclass	°C	F (155°C)	
Burning behavior UL 94 (1,6 ; 3,2 mm)	class	HB	UL 94

Above datas are taken from the actual documents of the manufactures
(Datas without any guarantee – Alterations are subject to change)