

Sicoklar® E51.20

Polycarbonate
Prime Compound

Description:

PC, 20% glass fibre filled grade

General

MFI (300°C/1,2kg)	ISO 1133	7	g/10min
Density	ISO 1183	1.35	g/cm ³
Linear mould shrinkage	ISO 2577	0.2-0.4	%

Thermal

HDT/A (1,82MPa)	ISO 75A	142	°C
Vicat softening point (B50 (50N))	ISO 306	145	°C
Vicat softening point (A50(10N))	ISO 306	150	°C
Ball pressure test (125°C)	IEC 335	Pass	°C

Mechanical

Izod notched impact strength (23°C)	ISO 180/A	8	kJ/m ²
Izod notched impact strength (-30°C)	ISO 180/A	6	kJ/m ²
Tensile stress at break	ISO 527	65	MPa
Elongation at break	ISO 527	4	%
Flex modulus	ISO 178	5300	MPa

Flammability

Flammability (3,2mm)	UL94	V1	
Flammability (1,6mm)	UL94	V2	
Glow wire flammability index (2,0 mm)	IEC 60695-2-12	850	°C

Various

Surface resistivity	IEC 60093	1.00E+15	Ohm
Volume resistivity	IEC 60093	1.00E+15	Ohm.cm
Dielectric rigidity (Oil 1mm)	IEC 60243-1	17	kV/mm
CTI	IEC 60112	250	V

The data and information contained herein are typical average values, based on our current level of knowledge and experience, and do not constitute sales specifications. No liability, warranty or guarantee of product performance is created by this document. It is the buyer's responsibility to inspect and test our products in order to determine the suitability for the buyer's application.

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