

Sicoklar® E81.15

Polycarbonate
Prime Compound

Description:

PC, V0 flame retardant grade only available in opaque colors

General

MFI (300°C/1,2kg)	ISO 1133	15	g/10min
Density	ISO 1183	1.20	g/cm³
Linear mould shrinkage	ISO 2577	0.5-0.7	%

Thermal

HDT/A (1,82MPa)	ISO 75A	130	°C
Vicat softening point (B50 (50°C/h, 50N))	ISO 306	140	°C
Vicat softening point (A50(50°C/h, 10N))	ISO 306	145	°C
Ball pressure test (125°C)	IEC 335	Pass	°C

Mechanical

Izod notched impact strength (23°C)	ISO 180/A	55	kJ/m²
Izod notched impact strength (-30°C)	ISO 180/A	10	kJ/m²
Tensile stress at yield	ISO 527	60	MPa
Tensile stress at break	ISO 527	55	MPa
Elongation at break	ISO 527	50	%
Flex modulus	ISO 178	2400	MPa

Flammability

Flammability (3,2mm)	UL94	V0	
Flammability (1,6mm)	UL94	V0	
Flammability (0,75mm)	UL94	V2	
Glow wire flammability index (2,0 mm)	IEC 60695-2-12	960	°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	225	V

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