

	Sicoklar [®] Eco UG20 FV	
Polycarbonate		
Recycled Quality Compound		

Description:

PC, 20% glass fibre filled, recycled grade ISO 14021:2016 compliant

General

MFI (300°C/1,2kg)	ISO 1133	7	g/10min
Density	ISO 1183	1.35	g/cm ³

Thermal

HDT/A (1,82MPa)	ISO 75A	135	°C
Vicat softening point (B50 (50N))	ISO 306	140	°C
Vicat softening point (A50(10N))	ISO 306	145	°C
Ball pressure test (125°C)	IEC 60695-10-2	Pass	°C

Mechanical

Izod notched impact strength (23°C)	ISO 180	8	kJ/m ²
Izod notched impact strength (-30°C)	ISO 180	6	kJ/m ²
Tensile stress at break	ISO 527	55	MPa
Elongation at break	ISO 527	4	%
Flex modulus	ISO 178	4200	MPa

Flammability

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

Various

Linear Mould Shrinkage	internal method	0.2-0.4	%
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