

	Sicoklar [®] Eco UG81.15	
Polycarbonate		
Recycled Quality Compound		

Description:

PC flame retardant V0 class, for injection moulding, recycled quality ISO 14021:2016 compliant.

General

MFI (300°C/1,2kg)	ISO 1133	15	g/10min
Density	ISO 1183	1.20	g/cm ³

Thermal

HDT/A (1,82MPa)	ISO 75A	130	°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	40	kJ/m ²
Izod notched impact strength (-30 °C)	ISO 180	10	kJ/m ²
Tensile strength at yield (23 °C)	ISO 527	50	MPa
Tensile strength at break (23 °C)	ISO 527	40	MPa
Elongation at break (23 °C)	ISO 527	50	%
Flexural modulus (23 °C)	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

CTI	IEC 60112	225	V
Linear Mould Shrinkage	internal method	0.5-0.7	%