

Sicoflex[®] UP1-30

ABS

Prime Compound

Description:

ABS compound high flowability, general purpose grade, designed for thin walls/flow length.

General

Density	ISO 1183	1.04	g/cm ³
Linear mould shrinkage	ISO 2577	0.4-0.7	%

Thermal

HDT/B (0,46 MPa)	ISO 75	95	°C
HDT/A (1,82MPa)	ISO 75A	92	°C
Vicat softening point (B50 (50N))	ISO 306	95	°C
Vicat softening point (A50(10N))	ISO 306	102	°C

Mechanical

MVR (220°C/10kg)	ISO 1133	34	cm ³ /10 min
Izod notched impact strength (23°C)	ISO 180	22	kJ/m ²
Izod notched impact strength (-30°C)	ISO 180	7	kJ/m ²
Charpy notched impact strength (23 °C)	ISO 179	19	kJ/m ²
Charpy unnotched impact strength (-30°C)	ISO 179	7	kJ/m ²
Tensile stress at yield	ISO 527	44	MPa
Elongation at break	ISO 527	12	%
Tensile modulus	ISO 527	2300	MPa
Flexural strength (+23°C)	ISO 178	65	MPa

Flammability

Flammability (3,2mm)	UL94	HB	
Flammability (1,6mm)	UL94	HB	
Glow wire flammability index (2,0 mm)	IEC 60695-2-12	650	°C

Various

Moisture absorption (Saturation 23°C)	ISO 62	0,95	
Volume resistivity	IEC 60093	1.00E+13	Ohm.cm

Remark:

EX Ultrapolymer UP1-30