

# Sicoflex<sup>®</sup> UP1-20

ABS  
Prime Compound

## Description:

ABS compound, medium flowability, high impact and heat resistance general purpose.

## General

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

## Thermal

HDT/B (0,46 MPa)	ISO 75	99	°C
HDT/A (1,82MPa)	ISO 75A	94	°C
Vicat softening point (B50 (50N))	ISO 306	96	°C
Vicat softening point (A50(10N))	ISO 306	105	°C

## Mechanical

MVR (220°C/10kg)	ISO 1133	19	cm <sup>3</sup> /10 min
Izod notched impact strength (23°C)	ISO 180	26	kJ/m <sup>2</sup>
Izod notched impact strength (-30°C)	ISO 180	8	kJ/m <sup>2</sup>
Charpy notched impact strength (23 °C)	ISO 179	22	kJ/m <sup>2</sup>
Charpy unnotched impact strength (-30°C)	ISO 179	8	kJ/m <sup>2</sup>
Tensile stress at yield	ISO 527	45	MPa
Elongation at break	ISO 527	10	%
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	1	
Volume resistivity	IEC 60093	1.00E+13	Ohm.cm

## Remark:

EX Ultrapolymers UP1-20

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## Ravago Group Headquarters