



# Sicoflex® 100A

## Ravago Manufacturing Europe - Acrylonitrile Butadiene Styrene

### General Information

#### Product Description

ABS, heat resistant grade, also available UV Stabilized.

#### General

Material Status	• Commercial: Active
Availability	• Europe
Additive	• UV Stabilizer
Features	• Good Heat Resistance      • UV Stabilized

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	10	g/10 min	ISO 1133
Molding Shrinkage	0.60 to 0.70	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	46.0	MPa	ISO 527-2
Tensile Stress (Break)	45.0	MPa	ISO 527-2
Tensile Strain (Break)	20	%	ISO 527-2
Flexural Modulus	2500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180
-30°C	7.0	kJ/m <sup>2</sup>	
23°C	16	kJ/m <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed)	100	°C	ISO 75-2/Ae
Vicat Softening Temperature			
--	104	°C	ISO 306/B50
--	114	°C	ISO 306/A50
Ball Pressure Test (75°C)	Pass		IEC 60695-10-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	IEC 60093
Volume Resistivity	1.0E+14	ohms·cm	IEC 60093
Electric Strength (1.00 mm, in Oil)	28	kV/mm	IEC 60243-1
Comparative Tracking Index	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Burning Rate <sup>2</sup>	63	mm/min	ISO 3795
Flame Rating			UL 94
1.6 mm		HB	
3.2 mm		HB	
Glow Wire Flammability Index (2.0 mm)	650	°C	IEC 60695-2-12