



# Sicoflex® 469HT

## Ravago Manufacturing Europe - Acrylonitrile Butadiene Styrene

### General Information

#### Product Description

ABS Flame Retardant grade, PBDE Free, high heat resistance, good light stability

#### General

Material Status	• Commercial: Active
Availability	• Europe
Additive	• Flame Retardant
Features	• Flame Retardant      • High Heat Resistance      • Light Stabilized
UL File Number	• UL94- E103497

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

Physical	Nominal Value	Unit	Test Method
Density	1.18	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	6.0	g/10 min	ISO 1133
Molding Shrinkage - Flow	0.30 to 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	38.0	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	33.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	20	%	ISO 527-2
Flexural Modulus (23°C)	2600	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180
-30°C	5.0	kJ/m <sup>2</sup>	
23°C	11	kJ/m <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed)	104	°C	ISO 75-2/A
Vicat Softening Temperature	112	°C	ISO 306/B50
Ball Pressure Test (105°C)	Pass		IEC 60695-10-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+14	ohms	IEC 60093
Volume Resistivity	1.0E+13	ohms·cm	IEC 60093
Electric Strength (1.00 mm, in Oil)	30	kV/mm	IEC 60243-1
Comparative Tracking Index	500	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.6 mm	V-0		
3.2 mm	V-0		
Glow Wire Flammability Index (2.0 mm)	960	°C	IEC 60695-2-12
Glow Wire Ignition Temperature (1.2 mm)	750	°C	IEC 60695-2-13

#### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.