

## Sicoflex® S460

## Ravago Manufacturing Europe - Acrylonitrile Butadiene Styrene

Wednesday, August 27, 2025

General Information				
Product Description				
ABS heat resistant glossy grade				
General				
Material Status	Commercial: Active			
Availability	• Europe			
Features	High Gloss	Medium Heat Resistance		

Properties <sup>1</sup>				
Physical	Nominal Value	Unit	Test Method	
Density	1.05	g/cm³	ISO 1183	
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	15	g/10 min	ISO 1133	
Molding Shrinkage	0.60 to 0.70	%	Internal Method	
Mechanical	Nominal Value	Unit	Test Method	
Tensile Stress (Yield)	47.0	MPa	ISO 527-2	
Tensile Stress (Break)	45.0	MPa	ISO 527-2	
Tensile Strain (Break)	20	%	ISO 527-2	
Flexural Modulus	2600	MPa	ISO 178	
Impact	Nominal Value	Unit	Test Method	
Notched Izod Impact Strength			ISO 180	
-30°C	7.0	kJ/m²		
23°C	16	kJ/m²		
Thermal	Nominal Value	Unit	Test Method	
Deflection Temperature Under Load (1.8 MPa, Annealed)	100	°C	ISO 75-2/Ae	
Vicat Softening Temperature				
	103	°C	ISO 306/B50	
	110	°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)	26	kV/mm	IEC 60243-1	
Comparative Tracking Index	600	V	IEC 60112	
Flammability	Nominal Value	Unit	Test Method	
Burning Rate <sup>2</sup>	65	mm/min	ISO 3795	
Flame Rating			UL 94	
	НВ			
1.6 mm				
1.6 mm 3.2 mm	НВ			

## Notes

the data and information contained herein are typical average values, based on our current level of knowledge and experience, and do not constitute sales specifications. no liability, warranty or guarantee of product performance is created by this document. ravago industrial quality compounds are totally or partially produced with non-prime quality ingredients. even though the selection of the raw materials, the production and the quality control is being done following to the common best practices, it is the buyer's responsibility to inspect and test our products in order to determine the suitability for the buyer's application.

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

<sup>&</sup>lt;sup>2</sup> FMVSS 302