

## Sicoflex® S309

## Ravago Manufacturing Europe - Acrylonitrile Butadiene Styrene

Wednesday, August 27, 2025

General Information				
Product Description				
ABS flame retardant grade PBI	DE free for extrusion			
General				
Material Status	Commercial: Active			
Availability	• Europe			
Additive	Flame Retardant			
Features	Flame Retardant			
Processing Method	Extrusion			

Properties <sup>1</sup>				
Physical	Nominal Value	Unit	Test Method	
Density	1.18	g/cm³	ISO 1183	
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	5.0	g/10 min	ISO 1133	
Molding Shrinkage	0.30 to 0.50	%	ISO 2577	
Mechanical	Nominal Value	Unit	Test Method	
Tensile Stress (Yield)	33.0	MPa	ISO 527-2	
Tensile Stress (Break)	30.0	MPa	ISO 527-2	
Tensile Strain (Break)	22	%	ISO 527-2	
Flexural Modulus	2100	MPa	ISO 178	
Impact	Nominal Value	Unit	Test Method	
Notched Izod Impact Strength			ISO 180/A	
-23°C	5.0	kJ/m²		
23°C	18	kJ/m²		
Thermal	Nominal Value	Unit	Test Method	
Deflection Temperature Under Load (1.8 MPa, Annealed)	80.0	°C	ISO 75-2/A	
Vicat Softening Temperature				
	90.0	°C	ISO 306/B50	
<del></del>	95.0	°C	ISO 306/A50	
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

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.