



Sicoflex® 469

Ravago Manufacturing Europe - Acrylonitrile Butadiene Styrene

General Information

Product Description

ABS flame retardant grade, high flow and good light stability, PBDE and TBBA free.

General

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

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.18	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	30	g/10 min	ISO 1133
Molding Shrinkage	0.30 to 0.50	%	ISO 2577
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	40.0	MPa	ISO 527-2
Tensile Stress (Break)	35.0	MPa	ISO 527-2
Tensile Strain (Break)	15	%	ISO 527-2
Flexural Modulus	2600	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180
-30°C	5.0	kJ/m ²	
23°C	15	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed)	84.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	93.0	°C	ISO 306/B50
--	97.0	°C	ISO 306/A50
Ball Pressure Test (75°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)	25	kV/mm	IEC 60243-1
Comparative Tracking Index	500	V	IEC 60112

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Flammability		Nominal Value	Unit	Test Method
Flame Rating				UL 94
1.6 mm	•		V-0	
	•		5VB	
2.8 mm	•		V-0	
	•		5VA	
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

¹ Typical properties: these are not to be construed as specifications.