Sicoflex® S299

Ravago Manufacturing Europe - Acrylonitrile Butadiene Styrene

General Information

Product Description	
ABS 16% glass fibre filled heat resistant grade	
General	
Material Status	• Commercial: Active
Availability	• Europe
Filler / Reinforcement	• Glass Fiber, 16% Filler by Weight
Features	• Good Heat Resistance

Properties [1]

Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.17	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	3.0	g/10 min	ISO 1133
Molding Shrinkage	0.20 to 0.30	%	Internal Method
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Break)	70.0	MPa	ISO 527-2
Tensile Strain (Break)	4.0	%	ISO 527-2
Flexural Modulus	5200	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact Strength			ISO 180
-30°C	4.0	kJ/m²	
23°C	8.5	kJ/m²	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Annealed)	102	°C	ISO 75-2/Ae
Vicat Softening Temperature			
--	107	°C	ISO 306/B50
--	118	°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)	33	kV/mm	IEC 60243-1
Comparative Tracking Index	575	V	IEC 60112
Flammability	**Nominal Value**	**Unit**	**Test Method**
Burning Rate [2]	28	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

Notes

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

[2] FMVSS 302