

Sicoflex S299

Acrylonitrile Butadiene Styrene
Ravago Group

Message:
ABS 17% glass fibre filled heat resistant grade

General Information			
Filler / Reinforcement	Glass Fiber,17% Filler by Weight		
Features	Medium Heat Resistance		
Physical	Nominal Value	Unit	Test Method
Density	1.17	g/cm ³	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	%	ISO 2577
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	5000	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/1A
-23°C	3.0	kJ/m ²	
23°C	8.0	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Annealed)	105	°C	ISO 75-2/A
Vicat Softening Temperature			
--	118	°C	ISO 306/A50
--	107	°C	ISO 306/B50
Ball Pressure Test (75°C)	Pass		
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	28	mm/min	FMVSS 302
Flame Rating ¹			Internal Method
1.60 mm	HB		
3.20 mm	HB		
Glow Wire Flammability Index (2.00 mm)	650	°C	IEC 60695-2-12
NOTE			

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