Sogun® 4100

Product Information

PBT, excellent processability, fluidity, toughness, surface gloss.

Properties	Typical Value	Units	Test Method
Mechanical Properties			
Tensile Modulus, 1 mm/min	2500	MPa	ISO 527-1/-2
Tensile Stress at Yield, 50 mm/min	50	MPa	ISO 527-1/-2
Nominal Tensile Strain at Break, 50 mm/min	>50	%	ISO 527-1/-2
Flexural Modulus, 2 mm/min	2300	MPa	ISO 178
Flexural Strength, 2 mm/min	80	MPa	ISO 178
Charpy Notched Impact Strength, +23°C	5	KJ/m^2	ISO 179/1eA
Charpy Notched Impact Strength, -30°C	4	KJ/m^2	ISO 179/1eA
Thermal Properties			
Temperature of Deflection Under Load, 1.8 MPa	60	°C	ISO 75-1/-2
Temperature of Deflection Under Load, 0.45 MPa	160	°C	ISO 75-1/-2
Flame Resistant, 1.5 mm	HB	Class	UL 94
Electrical Properties			
Relative Permittivity, 1 MHz	3.3	-	IEC 60250
Volume Resistivity	1E14	Ohm.m	IEC 60093
Surface Resistivity	1E13	Ohm	IEC 60093
Physical Properties			
Density	1.31	g/cm^3	ISO 1183
Molding Shrinkage, 2.0 mm, Parallel / Normal	1.7 / 1.9	%	ISO 294-4
Humidity Absorption, 23°C / 50% RH	0.25	%	Sim. to ISO 62
Injection Molding			
Drying Temperature	120	°C	4 hours
Melt Temperature	230 - 260	°C	-
Mould Temperature	50 - 80	°C	-

Revised: 06/26/2024
Sogun® provided information about the product, whether data, recommendations or other information, is researched and trustworthy. Since there are many influencing factors in the production process, users are advised to conduct their own tests before production. The standard values are for reference only and should not be regarded as binding specifications.