

Sogun® G4315

Product Information

PBT, excellent strength, stiffness, high temperature resistance, dimensional stability, surface finish, non-halogenated, flame retardant.

Properties	Typical Value	Units	Test Method
Mechanical Properties			
Tensile Modulus, 1 mm/min	5300	MPa	ISO 527-1/-2
Tensile Stress at Break, 5 mm/min	85	MPa	ISO 527-1/-2
Tensile Strain at Break, 5 mm/min	2.5	%	ISO 527-1/-2
Flexural Modulus, 2 mm/min	4800	MPa	ISO 178
Flexural Strength, 2 mm/min	125	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	190	°C	ISO 75-1/-2
Temperature of Deflection Under Load, 0.45 MPa	200	°C	ISO 75-1/-2
Flame Resistant, 3.0 mm	V-0	Class	UL 94
Electrical Properties			
Relative Permittivity, 1 MHz	3.6	-	IEC 60250
Volume Resistivity	1E14	Ohm.m	IEC 60093
Surface Resistivity	1E16	Ohm	IEC 60093
Physical Properties			
Density	1.42	g/cm ³	ISO 1183
Molding Shrinkage, 2.0 mm, Parallel / Normal	0.6 / 1.1	%	ISO 294-4
Humidity Absorption, 23°C / 50% RH	0.15	%	Sim. to ISO 62
Injection Molding			
Drying Temperature	120	°C	4 hours
Melt Temperature	240 - 270	°C	-
Mould Temperature	60 - 90	°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.

Find more information or contact us at www.sogun.com