

PC Excellent strength and heat resistance, no chlorine and no bromine, flame retardant UL94 V-0.

Properties	Test Method	Unit	Value
Mechanical Properties			
Tensile modulus	ISO 527	MPa	5800
Yield stress	ISO 527	MPa	85
Yield strain	ISO 527	%	3
Strain at break	ISO 527	%	3.5
Flexural modulus	ISO 178	MPa	5800
Flexural strength	ISO 178	MPa	140
Izod notched impact strength, +23°C	ISO 180/1A	KJ/m ²	8
Izod notched impact strength, -30°C	ISO 180/1A	KJ/m ²	6
Thermal Properties			
HDT 1.8MPa	ISO 75	°C	135
HDT 0.45MPa	ISO 75	°C	145
Vicat softening temp, 50N, 50°C/hr	ISO 306	°C	145
Flame resistant, 1.5mm	UL 94	Class	V-0
Electrical Properties			
Relative permittivity, 1MHz	IEC 60250	–	3.3
Volume resistivity	IEC 60093	Ohm.m	1E14
Surface resistivity	IEC 60093	Ohm	1E16
Other Properties			
Density	ISO 1183	g/cm ³	1.35
Molding shrinkage	ISO 2577	%	0.3 - 0.5
Melt flow rate, 300°C/1.2kg	ISO 1133	g/10min	6
Processing			
Drying temperature	4hr	°C	120
Melt temperature	–	°C	280 - 310
Mould temperature	–	°C	80 - 100

06/2022

Sogun[®] provided information about the product, whether data, advice or other information, are researched and trustworthy. Since there are many influencing factors in the production process, it is recommended that users test themselves before production. Standard values are only symbolic and should not be construed as binding specifications.