



Shenzhen Brilliance Rubber & Plastic material Co.,Ltd

Name	Standard	Unit	Silver coated aluminum fluorosilicone	Silver coated glass fluorosilicone	Silver coated Copper fluorosilicone	Nickel graphite fluorosilicone
Basic			fluorosilicone	fluorosilicone	fluorosilicone	fluorosilicone
Filler			Ag/Al	Ag/Glass	Ag/Cu	Ni/C
Density	ASTM D792	g/cm ³	2.0±0.2	2.0±0.2	4.0±0.5	2.2±0.2
Hardness	ASTM D2240	shoreA	70±7	75±7	75±7	65±10
Tensile strength	ASTM D412	Mpa	>1.24	>1.24	>1.24	>1.03
Elongation At Break	ASTM D412	%	60/260	60/200	100/300	60/100
Compression set (100°C*70h)	ASTM D395	%	<30	<30	<35	<25
Operating temperature	MIL-G-83528	°C	-55~160	-55~160	-55~125	-45~150
Volume resistivity	MIL-G-83528	Ω.cm	<0.012	<0.015	<0.01	<0.1
Electrical stability/thermal aging	MIL-G-83528	Ω.cm	<0.015a	<0.020a	<0.015b	<0.25b
200kHz(H-field)	GJB6190-2008	dB	55	50	70	80
100MHz(E-field)			100	90	115	100
500MHz(E-field)			100	90	115	100
2GHz(Plane wave)			95	90	115	100
10GHz(Plane wave)			90	90	110	100

a: Thermal ageing condition: 200°C*48hr

b: Thermal ageing condition: 150°C*48hr