

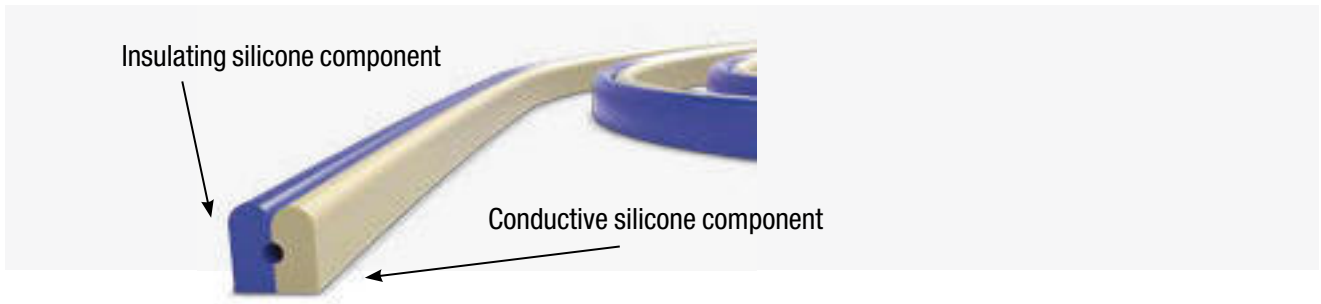


# Corrosion-resistant conductive silicones

	Standards	GT 1040	GT 1047	GT 1060	GT 1067	GT 2040	GT 2047	GT 2060	GT 2067
Elastomer		Silicone	Fluorinated silicone	Silicone	Fluorinated silicone	Silicone	Fluorinated silicone	Silicone	Silicone fluorinated
Load		Silver-plated copper				Pure silver			
Volume resistivity $\Omega$ -cm	MIL G 83528	< 0.005				< 0.006			
Shore hardness A $\pm$ 7	ASTM D 2240	82				75			
Density g/cm <sup>3</sup>	ASTM D 792 /Method A	3.40				3.90			
Break resistance (Mpa)	ASTM D 412 Method AC	2.20				4.61			
% Elongation at break	ASTM D 412 Method AC	341				355			
Tear strength kg/cm	ASTM D 624 Method C	13.70				14			
% residual deformation after 70 hours compression at 100°C	ASTM D 395 Method B	17.50				33.12			
Shielding performance: 20 MHz 100 MHz 500 MHz 2GHz 10GHz		130 dB 140 dB 120 dB 120 dB 120 dB				110 dB 110 dB 110 dB 110 dB 110 dB			
Working temperature °C		-55 to +125				-55 to +160			
Color		Beige				Light beige			
<b>Insulating silicone component</b>									
Specific mass at 25°C	ASTM D 792	1.10	1.43	1.27	1.46	1.10	1.43	1.27	1.46
Shore hardness A $\pm$ 5	ASTM D 2240	40	40	60	60	40	40	60	60
Tensile strength Psi Mpa	ASTM D 412	1000 6.80	1250 8.60	950 6.55	1200 8.30	1000 6.80	1250 8.60	950 6.55	1200 8.30
% Elongation	ASTM D 412	500	400	300	300	500	400	300	300
% residual deformation after 22 hours compression at 177°C	ASTM D 395 Method B	30	20	33	25	30	20	33	25
Color		Orange	Orange	Blue	Light blue	Orange	Orange	Blue	Light blue
									

■ Molded   
 ■ Extruded   
 ■ Cut   
 ■ Secured by vulcanization   
 ■ Sheet

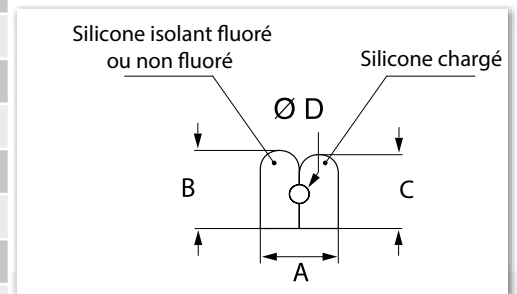


	GT 3140	GT 3147	GT 3160	GT 3167	GT 5040	GT 5047	GT 5060	GT 5067	BL 10060	BL 10067
Elastomer	Silicone	Fluorinated silicone	Silicone	Fluorinated silicone	Silicone	Fluorinated silicone	Silicone	Fluorinated silicone	Silicone	Fluorinated silicone
Load	Nickel Graphite				Silver-plated aluminum				Carbon	
Volume resistivity $\Omega$ -cm	< 0.10				< 00054				6	
Shore hardness A $\pm$ 7	65				65				70	
Density g/cm <sup>3</sup>	2				1.90				1.22	
Break resistance (Mpa)	1.37				1.89				4.41	
% Elongation at break	150				286				150	
Tear strength kg/cm	8.9				8.60				-	
% residual deformation after 70 hours compression at 100°C	40				17.30				40	
Shielding performance: 20 MHz 100 MHz 500 MHz 2GHz 10GHz	100 dB 100 dB 100 dB 100 dB 100 dB				128 dB 137 dB 133 dB 122 dB 104 dB				60 dB 105 dB 105 dB 105 dB 105 dB	
Working temperature °C	-55 to +150				-55 to +160				-55 to +125	
Color	Gray				Beige				Black	

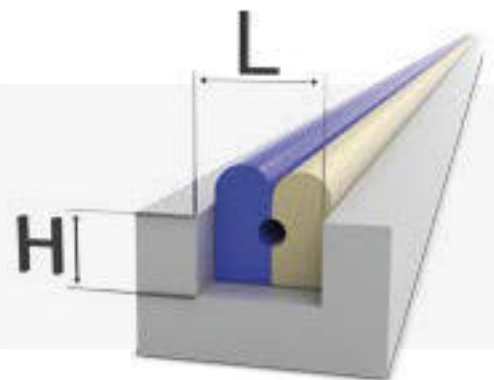
Insulating silicone component										
Specific mass at 25°C	1.10	1.43	1.27	1.46	1.10	1.43	1.27	1.46	1.27	1.46
Shore hardness A $\pm$ 5	40	40	60	60	40	40	60	60	60	60
Tensile strength Psi Mpa	1000 6.80	1250 8.60	950 6.55	1200 8.30	1000 6.80	1250 8.60	950 6.55	1200 8.30	950 6.55	1200 8.30
% Elongation	500	400	300	300	500	400	300	300	300	300
% residual deformation after 22 hours compression at 177°C	30	20	33	25	30	20	33	25	33	25
Color	Orange	Orange	Blue	Light blue	Orange	Orange	Blue	Light blue	Blue	Light blue

# Hollow double D profile

Ref.	A (mm)	B (mm)	C (mm)	D (mm)	L (mm)	H (mm)
14014	1,40	1,45	1,35	0,50	1,60	1,05
16185	1,60	1,85	1,70	0,50	1,85	1,35
1720	1,70	2,0	1,8	0,5	2,10	1,50
1823	1,80	2,30	1,90	0,50	2,10	1,60
2021	2,00	2,10	1,90	0,50	2,30	1,60
20021	2,00	2,10	1,90	0,90	2,20	1,60
2123	2,10	2,30	1,90	0,50	2,50	1,60
2220	2,20	2,00	1,90	0,50	2,40	1,60
2528	2,50	2,00	1,90	0,80	2,70	1,50
2622	2,60	2,20	2,10	0,80	2,80	1,70
2623	2,60	2,35	2,20	1,10	2,90	1,80
2832	2,80	3,30	3,20	1,10	3,20	2,50
2936	2,95	3,65	3,30	1,30	3,20	2,70
3029	3,00	3,20	2,80	1,10	3,30	2,30
3030	3,00	3,00	2,80	0,80	3,30	2,40
3036	3,00	3,50	3,40	1,10	3,20	2,80
3037	3,00	3,75	3,40	1,30	3,25	2,80
30039	3,00	3,95	3,40	1,50	3,30	2,80
3134	3,00	3,40	2,80	0,80	3,40	2,40
3136	3,00	3,50	3,40	1,30	3,30	2,60
3236	3,00	3,50	3,40	2,00	3,25	2,45
3330	3,30	3,00	2,60	0,90	3,70	2,20
3331	3,30	3,00	2,60	1,00	3,60	2,20
3429	3,40	2,90	2,80	0,80	3,80	2,30
4041	4,00	4,10	3,90	1,10	4,30	3,40
4044	4,00	4,40	3,90	1,10	4,40	3,40
4047	4,00	4,70	3,90	1,10	4,50	3,40
4240	4,00	4,20	4,00	1,20	4,30	3,40
4647	4,60	4,70	4,50	1,10	4,90	3,90
4648	4,60	4,70	4,50	2,00	4,90	3,50
4834	4,80	3,40	3,20	1,00	5,20	2,70
6061	6,00	6,20	6,10	3,00	6,50	4,80
6063	6,00	6,20	6,10	3,50	6,50	4,65
6069	6,00	6,90	6,70	3,00	6,50	5,60
7066	7,00	6,60	5,60	2,50	7,50	4,90



Recommended groove dimensions  
Machining tolerance:  $\pm 0.05$



Cross-section of seal