

Carbon Loaded Silicone Rubber

Specification

General Properties			
Elastomer Type		Si	
Filler Material		Carbon	
Colour		Black	
Electrical Properties	Tolerance		
Volume Resistivity	Typical	5 - 10	Ohm.cm
Shielding Effectiveness			
200 kHz (H-Field)	-	30	dB
100 MHz (E-Field)	-	65	dB
600 MHz (E-Field)	-	60	dB
2 GHz (Plane Wave)	-	40	dB
10 GHz (Plane Wave)	-	30	dB
Physical Properties			
Specific Gravity	± 5%	1.2	g.cm-3
Hardness	± 5	70	Shore A
Tensile MPa	-	7.2	MPa N/mm ²
Tear Strength	-	26.5	B, K N/mm
Elongation	-	180	%
Max Operating Temperature	± 5	200	°C
Min Operation Temperature	± 5	-40	°C

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