

DATASHEET

TECHNICAL SPECIFICATIONS FOR CONDUCTIVE SILICONE CEBLJOJSC

Properties	Test procedure	CEBLJOJSC
Color		Dark grey
Conductive filler		Ni/C
Elastomer binder		Silicone
Volume resistivity	MIL-G-83528	<0.12 ohm-cm (max)
Specific gravity	GB/T531-1999	2.05g/cm ³ (±0.1)
Hardness	GB/T533-1991	65 Shore A (±10)
Tensile strength	GB/T528-1998	>1.0 MPa
Elongation at break	GB/T528-1998	100-300%
Compression set	ASTM D395 – 70hours@100°C	<30% (max)
Low temperature Flex TR10	MIL-G-83528	-55°C (min)
Maximum continuous use temperature	MIL-G-83528	150 °C
Heat aging, Volume resistivity	MIL-G-83528	0.15 ohm-cm (max)
Shielding effectiveness 200 kHz (H field)	MIL-G-83528	80 dB
Shielding effectiveness 100 MHz (E field)	MIL-G-83528	90 dB
Shielding effectiveness 500 MHz (E field)	MIL-G-83528	100 dB
Shielding effectiveness 2 GHz (Plane Wave)	MIL-G-83528	90 dB
Shielding effectiveness 10 GHz (Plane Wave)	MIL-G-83528	85 dB

NB : Heat aging condition : 150°C / 48 hours