

KLEBER KB-SEALOR ECE 507 Conductive Elastomer Gaskets

Product Introduction

Using silicone elastomer as the main substrate, mixed with conductive particles with good conductive properties, ECE is a compound made through a series of complex mixing, curing and other processing techniques. It is the perfect combination of flexibility of the silicone elastomer and high conductivity of conductive particles, not only suitable for conductive grounding and EMI shielding, but also ideal to achieve environmental sealing.

For industrial-grade applications, the high electrical conductivity of KB-SEALOR ECE505 is suitable for applications requiring high shielding and good grounding performance.

Features & Benefits

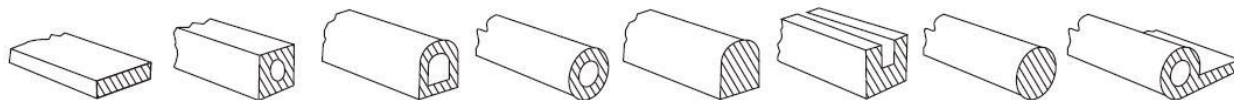
- Ultra-low resistance and excellent shielding
- performanceExcellent environmental tightness performance
- Wide temperature range for operation, even at extreme temperatures - typically -55°C to +170°C and also for special temperature applications
- Excellent mechanical properties, flexibility and long- term durability
- Products can be provided in sheet, die-cut or molded gaskets, extrusion strips or required profiles



Specifications

Typical Performance	ECE 507		Test Method
Conductive Particle	Ag/Cu		N/A
Binder	Silicone		N/A
Color	Beige		Visual
Density (g/cm ³)	3.5		ASTM D792
Volume Resistivity (Ohm-cm)	0.004		MIL-DTL-83528C
Hardness (Shore A)	60		ASTM D2240
Tensile Strength (PSI)	200		ASTM D412
Elongation (%)	150		ASTM D412
Tear Strength (PPI)	30		ASTM D624
Shielding Effectiveness (dB)	500M	120	MIL-DTL-83528C
	2G	120	
	10G	120	
Working Temperature (°C)	-55~+170		ASTM D1329

Common Profiles



Declare

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