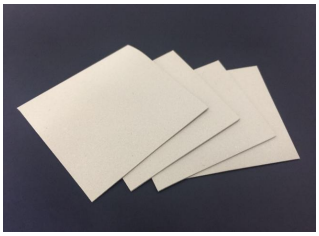
KLEBER

NYS-SEALOR® ECE 505 Conductive Elastomer Gaskets



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 NYS-SEALOR® ECE505 is suitable for applications requiring high shielding and good grounding performance.

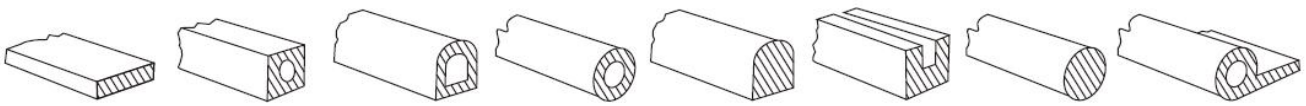
SPECIFICATIONS

Typical Performance		NYS-SEALOR®ECE 505	Unit	Test Method
Binder		Silicone	-	-
Conductive Particle		Ag/G	-	-
Color		Beige	-	Visual
Hardness		65	Shore A	ASTM D2240
Density		2.0	g/cm^3	ASTM D792
Volume Resistivity		0.006	ohm-cm	MIL-DTL-83528C
Tensile Strength		200	PSI	ASTM D412
Elongation		150	%	ASTM D412
Tear Strength		30	PPI	ASTM D624
Shielding Effectiveness	500M	100	dB	MIL-DTL-83528C
	2G	100	dB	MIL-DTL-83528C
	18G	100	dB	MIL-DTL-83528C
Working Temperature		-55~+170	℃	ASTM D1329

FEATURES & BENEFITS

- Ultra-low resistance and excellent shielding performance.
- Excellent environmental tightness performance.
- Wide temperature range for operation, even at extreme temperatures - typically -55℃ to +170℃ 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.

COMMON PROFILES



Declare
The recommendation and data furnished by Kleber is based on our experiment and experience to date.This information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application.Kleber shall not be liable for their usage and processing. The technology data sheet is subject to change without notice. The final interpretation right of the contents of this specification belongs to Kleber.