

## NYS-SEALOR® ECE 508 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.

NYS-SEALOR® ECE 508, using fluorine silicone rubber as the base material filled with nickel carbon conductive particles, has excellent electrical conductivity. Its high shielding effectiveness and high corrosion resistance can greatly improve the reliability and service life of the product.



### SPECIFICATIONS:

Typical Performance		NYS-SEALOR®ECE 508	Unit	Test Method
Binder		Fluorosilicone	-	-
Conductive Particle		Ni/C	-	-
Color		Grey	-	Visual
Hardness		70	Shore A	ASTM D2240
Density		2.2	g/cm <sup>3</sup>	ASTM D792
Volume Resistivity		0.1	ohm-cm	MIL-DTL-83528C
Tensile Strength		150	PSI	ASTM D412
Elongation		150	%	ASTM D412
Tear Strength		35	PPI	ASTM D624
Shielding Effectiveness	500M	100	dB	MIL-DTL-83528C
	2G	100	dB	MIL-DTL-83528C
	18G	100	dB	MIL-DTL-83528C
Flammability Rating		V-0	-	UL-94
Working Temperature		-55~+170	°C	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°C to +170°C and also for special temperature applications.
- Low outgassing.
- Fluorosilicone rubber substrate provides excellent long-term oil and organic solvent resistance.
- 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 Nystein China 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. Nystein China 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 Nystein China.