



# ElastaPro Silicone Sheeting

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## METAL DETECTABLE GRADE SILICONE SHEETING

### DESCRIPTION:

Our Metal-detectable Grade silicone sheeting is designed for markets such as food, beverage, dairy, pharmaceutical, and others, where additional safety and contaminate-free is needed. Metal Detectable Seals are used to increase safety and reduce downtime by quickly sequestering seal fragments in-process by magnetically collecting the fragments. It is easily die-cut and provides a superior gasket and sealing solution. Thicknesses from .010” to .500” thick. Widths up to 60” wide. Further, the material is available in various opaque colors.

### KEY CHARACTERISTICS:

- Extreme High & Low-Temperature Resistant -85°F to +525°F (Intermittent)
- Excellent for Seals & Gaskets
- Fabricated with high-quality and certified raw materials
- UV / Ozone Resistant
- Cured Silicone Sheet is Non-Toxic & Chemically Inert
- Peroxide Free, odorless, and tasteless
- FDA compliant per FDA TITLE 21 CFR 177.2600
- Magnet Pull Test utilizing 20.5 diameter magnet with maximum pull of 4 kg

PROPERTIES	TEST METHOD	ESS40MD	ESS50MD	ESS60MD	ESS85MD
Specific Gravity, g/cc	ASTM D297	1.29	1.31	1.36	1.56
Durometer, Shore "A"	ASTM D2240	40+/-5	50+/-5	60+/-5	85+/-5
Tensile Strength, psi	ASTM D412	1100	1050	1250	1050
Elongation, %	ASTM D412	800	700	800	100
Tear, ppi Die "B"	ASTM D624	130	130	190	100

These typical physical properties are provided for evaluation information only.  
It is up to the end-user to determine the appropriate material for the intended application.