



ElastaPro Silicone Sheeting

13937 Rosecrans Ave.
Santa Fe Springs, CA 90670
PHONE 562-343-9982 FAX 562-286-8711
www.elastapro.com

HIGH STRENGTH GRADE SILICONE SHEETING 30 - 80 Durometer

DESCRIPTION:

Our High Strength Grade silicone sheeting is designed for applications needing higher physical properties than general-purpose & medium strength silicone. It is easily die-cut and provides a superior gasket and sealing solution, and is available from 30-80 durometer. Thicknesses from .010" to .500" thick. Widths up to 60" wide. Furthermore, these materials are produced using ingredients in accordance with FDA CFR 177.2600 and are designed to meet key High Strength Specifications.

KEY CHARACTERISTICS:

- Extreme High & Low-Temperature Resistant -85°F to +450°F (500°F Intermittent)
- Excellent for Seals & Gaskets
- Fabricated with high-quality and certified raw materials
- UV / Ozone Resistant & Excellent Electrical Insulator
- **SPECIFICATION: A-A-59588 CL3B (exception to flex 30 Duro)**

PROPERTIES	TEST METHOD	ESS30HS	ESS40HS	ESS50HS	ESS60HS	ESS70HS	ESS80HS
Specific Gravity, g/cc	ASTM D297	1.12	1.14	1.15	1.17	1.22	1.29
Durometer, Shore "A"	ASTM D2240	30+/-5	40 +/-5	50+/-5	60+/-5	70+/-5	80 +/-5
Tensile Strength, psi	ASTM D412	1100	1200	1250	1300	1280	800
Elongation, %	ASTM D412	800	600	575	560	400	200
Tear, ppi Die "B"	ASTM D624	150	155	165	170	170	70

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.