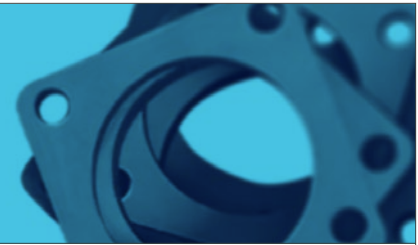


WESLASTOMER™ GRADE 4500 FIRM CLOSED CELL SILICONE SPONGE



Modus Advanced, Inc.'s WesLastomer™ Grade 4500 Firm Density Closed Cell Silicone Sponge is an excellent material for gasketing and padding applications that require a soft, compressible material. It is resistant to extreme temperatures and offers good compression set. Also, its non-interconnected closed cells prevent water absorption. Our Silicone Sponge is available in Soft, Medium, Firm and X-Firm Densities. Medium Density is the most popular. It is also available in many colors. Generally, the surface has a fine fabric finish on both sides. This material is available in continuous rolls up to 1/2" thick and sheets up to 1" thick.

The primary method of application for WesLastomer products is utilizing a Pressure Sensitive Adhesive (PSA) backing and/or mechanical fasteners.

RESISTANCE CHART

Rubber Type	Oil Resistance	Electrical Resistivity	Flame Resistance	Impact Resistance	Abrasion Resistance	Tear Resistance	Weather Resistance	Oxidation Resistance	Ozone Resistance	Major Attributes
Buna-N (Nitrile)	E	P	P	G	G	F	P	G	F	Excellent resistance to mineral and vegetable oils.
EPDM (Ethylene-Propylene-Diene-Methylene)	P	E	P	G	G	G	VG	E	E	General purpose rubber with excellent weather resistance.
Neoprene	G	VG	G	G	E	G	VG	E	E	General purpose abrasion-resistant rubber with good oil resistance.
Polyurethane	E	E	F	G	E	E	G	E	E	Resists abrasion, tearing, and cold. Good load-bearing qualities.
Santoprene	G	E	G	G	F	G	E	E	E	Good oil, solvent, and chemical resistance. Weathers well.
Silicone	F	G	F	F	P	P	E	E	E	Resistant to chemicals and to high and low temperatures.
Fluoroelastomer	E	G	G	VG	G	P	VG	E	E	Resists oil and chemicals at low and high temperatures.

E - Excellent VG - Very Good G - Good F - Fair P - Poor

FEATURES AND BENEFITS

- Extreme temperature resistance
- Ozone resistance
- Good compression set characteristics
- Radiation resistance
- Vibration isolation
- Mechanical resilience

APPLICATIONS

- High & low temperatures environments
- Outdoors
- Electrical insulation
- Environmental insulation

TYPICAL PROPERTIES

- Thickness: 1/16" through 1"
- Colors: Many
- Temperature Range: -103 to +450°F
- Tensile Range: 200 PSI
- Ultimate Elongation: 225%
- UV/Ozone Resistance: Excellent
- Water Absorption: Pass
- Density Range: .023-.028 lbs/cubic in.
- Compression Deflection: 17 PSI
- Compression Set, 22hrs @212°F: 25
- Brittle Point: -103°F

CUSTOMERS ALSO SEARCHED:

Silicone	Cellular urethane	Die cut gasket
Silicone sponge	LCD gaskets	Die cut seal
Silicone gaskets	Low outgassing	Rubber gasket
Silicone sponge gasket	UL 94 HBF gasket	EMI shielding rubber
Silicone foam	UL 94 V-0	Conductive rubber
Silicone gasket	Water sealing	Form in place
Microcellular urethane	RoHS gasket	LED gasket
Urethane foam gaskets	LED gasket	Conductive gasket

MODUS ADVANCED TAKES YOU FROM IDEA TO IGNITION



IDEA



ENGINEERING



SOLUTION



IGNITION



PICK A MATERIAL

LET MODUS CUT IT TO SIZE

We are Modus! With multiple locations in North America and China, Modus Advanced, Inc. is a diversified custom manufacturer which converts EMI Shielding, Environmental Gasket Materials, Microwave Absorbers, Acoustic Materials, Thermal Interface Materials and other high performance materials into finished parts. Modus utilizes its 40 years as an established provider of high quality, reliable products to create precisely what customers specify. Innovative processes; custom fabrication utilizing performance materials; an on time delivery record of more than 99% means Modus is well positioned to help your company succeed.

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