



A SINGER INDUSTRIAL COMPANY

Silicone Rubber Specification Sheet

Red Silicone (Spec Grade)

DuroShore A± 5	Thickness (in.)	Width (in.)	Tensile Strength (psi)	Ultimate Elongation Percent	Temperature Range	Est. Weight Per Linear Ft. (1/8" x 36")	Specifications ASTM D 2000
40	1/32 - 1/4	36, 48	800	450	-65°F to +450°F	7.45	A-A-59588 2A & 2B ZZ-R-765 2A & 2B AMS 3301 ASTM D 2000 1GE 407
50	1/32 - 1/4	36, 48	800	350	-65°F to +450°F	7.5	A-A-59588 2A & 2B ZZ-R-765 2A & 2B AMS 3302 ASTM D 2000 1GE 507
60	1/32 - 1/4	36, 48	750	300	-65°F to +450°F	8	A-A-59588 2A & 2B ZZ-R-765 2A & 2B AMS 3303 ASTM D 2000 1GE 607
70	1/32 - 1/4	36, 48	750	250	-65°F to +450°F	8.15	A-A-59588 2A & 2B ZZ-R-765 2A & 2B AMS 3304 ASTM D 2000 1GE 707

White Silicone (Food Grade)

DuroShore A± 5	Thickness (in.)	Width (in.)	Tensile Strength (psi)	Ultimate Elongation Percent	Temperature Range	Specifications ASTM D 2000
60	1/16 - 1/2	48	700	300	-80°F to +450°F	A-A-59588 (ZZ-R-765) Grade Sheetting 2A & 2B Grade 60, AMS 3303, ASTM D 2000 M1GE605, FDA 21 CFR 177 2600

Sil-Pad® 2000

Property	Imperial Value	Metric Value	Test Method
Color	White	White	Visual
Reinforcement Carrier	Fiberglass	Fiberglass	-
Thickness (inch) / (mm)	0.010 to 0.020	0.254 to 0.508	ASTM D374
Hardness (Shore A)	90	90	ASTM D2240
Continous Use temp (°F) / (°C)	-76 to 392	-60 to 200	-
ELECTRICAL			
Dielectric Breakdown Voltage (Vac)	4000	4000	ASTM D149
Dielectric Constant (1000 Hz)	4	4.0	ASTM D150
Volume Resistivity (Ohm-meter)	10 11	1011	ASTM D257
Flame Rating	V-0	V-0	U.L.64
THERMAL			
Thermal Conductivity (W/m-K)	3.5	3.5	ASTM D5470

Thermal Performance vs Pressure

Pressure (psi)	10	25	50	100	200
TO-220 Thermal Performance (°C/W)	2.61	2.32	2.02	1.65	1.37
Thermal Impedance (°C-in 2 /W) (1)	0.57	0.43	0.38	0.35	0.30

Hanna Rubber accepts no responsibility for results obtained. Each user of these products, or information, should perform their own tests to determine the suitability of the material. Hanna Rubber does not guarantee that the user will obtain the same results. The data and information are subject to change without notice.

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