

Reinforced Silicone Rubber

CF3320, available in three thicknesses, was developed to meet AMS 3320. Consequently, 3320 has lubricating oil resistance and excellent compression set resistance.

CF4032 and CF4050 are thin, flexible and abrasion-resistant for general-purpose use.

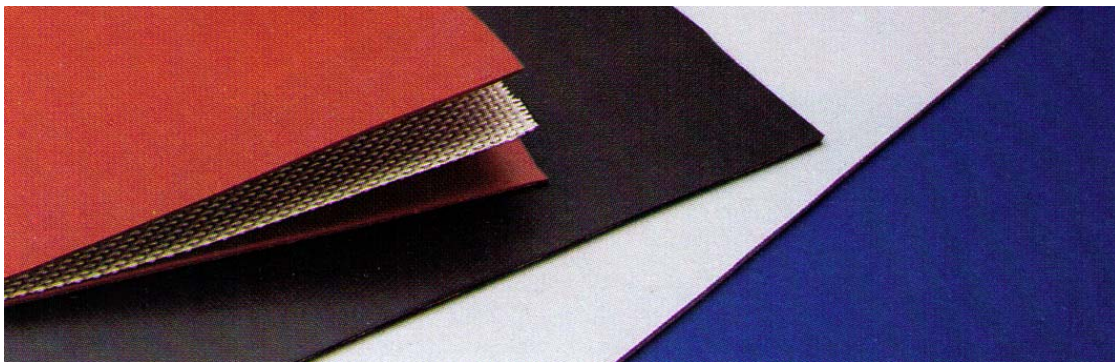
CF4420 is specially formulated for thermal stability and long life under extreme heat and pressure for extended dwell times. It resists reversion (i.e. softening and outgassing) longer than general purpose silicone. Throughout its useful life, 4420 has thermal stability for consistent thermal conductivity.

CF4444 has a specially formulated rubber compound to give better reversion resistance. The reinforcement is a special flexible, compressible COHRLastic silicone closed cell sponge is designed for high performance gasketing, thermal shielding, vibration mounts and press pads. It is available in six constructions.

CF4451 is a fiberglass fabric coated with static dissipating silicone rubber having a surface resistivity of 1×10^5 Ohms – cm. Virtually eliminates static electric discharges which cause operator discomfort and can potentially damage electrical laminates.

CF4480 utilizes our most reversion resistant silicone rubber compound. The product is designed for use in applications involving the tough combination of prolonged high-pressure confinement at temperatures in the range of 375°F to 650°F.

CF silicone solid rubber reinforced with fiberglass is a dimensionally-stable, durable material for press pads, belting and gasketing. It is available in six constructions. (see below)



Andrew Roberts Inc. is a leading converter and fabricator of high performance coated fabrics tapes & belts. Our converting capabilities include:






Die Cutting - Slitting - Sheeting - Heat Sealing - Sewing

Reinforced Silicone Rubber (continued)

Common Properties

Dielectric Strength	500 volts/mil (appr.)	Elongation at break	less than 10%
Thermal Conductivity (Average from +75 to +350°F)	1.9 BTU in./hr. ft ² °F	Linear Thermal Expansion	4.7 x 10 ⁻⁶ in./in./°F (fiberglass) 1.5 x 10 ⁻⁴ in./in./°F (silicone rubber)

Specific Properties

	Continuous Length: 36" width			1/16" : 40"	38" wide	40" wide		
								ASTM Test Method
	4032	4050	3320	4420	4444	4451	4480	
Color	Gray	Gray	Red	Brown	Red	Black	Dk. Gray	
Thickness/Tolerance, inches	1/32 ±.005	.050 ±.005	1/16 3/32 1/8 ±.005 ±.010	.045 1/16 ±.005	1/16 3/32 1/8 ±.005 ±.010	1/16 .078 ±.005	1/16 ±.005	D751
Fiberglass Thickness, inches	.014	.014	.014	.007 .014	.0135	.014	.014	
Break Strength (warp), PPI	300	300	300	225 300	400	300	300	D751
Diaphragm Burst Strength, PSI	750	750	750	500 750	800	750	750	D751
Weight, oz./yd. ²	35	57	1/16=65 3/32=94 1/8=124	.045=48 1/16=65	1/16=72 3/32=104 1/8=144	1/16=69 .078=89	65	D751
Durometer*, Shore A	81	75	1/16=74 3/32=66 1/8=65	.045=78 1/16=74	1/16=79 3/32=72 1/8=67	1/16=76 .078=74	81	D2240
Weight, % Fiberglass	37	23	1/16=20 3/32=14 1/8=10	.045=13 1/16=20	1/16=20 3/32=14 1/8=10	1/16=20 .078=16	20	
Weight loss (4 hrs. at 400°F), %	1.0	1.5	1.5	<0.5 <0.5	<0.5	<1.0	<0.5	D573
*Actual rubber durometer is 50 for 4032, 4050; 60 for 3320, 4420, 4444; 65 for 4451, 70 for 4480								

All properties are typical values and should not be used for writing specifications.

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