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DATA SHEET

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AIRTECH 1050

Silicone Rubber, Cured and Unsupported

Thermavac® Elastomeric Vacuum Bagging Materials

Description:

The Thermavac® grade silicone rubber is a proprietary formulation that offers high reversion resistance and strength. It is designed to provide superior performance in composite lamination systems for vacuum/autoclave and vacuum/hydraulic curing. Any silicone rubber has the potential to transfer. Silicone transfer investigation should be done by the user.

<u>Available Forms:</u>	Thickness:	.040" (1.02mm) - .060" (1.52mm)
	Width:	48" (122cm) ± .25 (6.4mm) usable material (edges untrimmed)
	Finish:	Glossy
	State:	Cured
	Form:	25 LYD Roll (22.9m)
	Color:	Red

Note: Rolls may contain one unbonded splice with a minimum length of 5 yards (4.6m).
 An additional yard will be added to a spliced roll at no additional cost on full roll orders.

Physical Properties:

<u>Property</u>	<u>Test Method</u>	<u>Value</u>
Durometer	ASTM-D2240, Shore A	50
Tear, lbs/in.	ASTM-D624, Die B (75°F) (212°F)	250 200
Tensile, psi	ASTM-D412, Die A	1400
Elongation %	ASTM-D412, Die A	700
100% Modulus, psi		300
300% Modulus, psi		250
Temperature Use Range		600°F
Coefficient of Thermal Expansion	in/in/°F (75°F-350°F)	1.6 x 10 ⁻⁴
Compression Set	ASTM-D395, Method B 22 hrs. 350°F	28%
Volumetric Expansion	in/in/°F (75°F-350°F)	5 x 10 ⁻⁴
Thermal Conductivity	ASTM-F433 325°F BTU-in./FT ² hr.°F	1.8

CATALOG POSITION: **RUBBER**



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