



PRODUCT STANDARD
TME DIVN. BHOPAL

TM00284

REV. 2011

PAGE 1 OF 2

SPECIFICATION FOR SILICONE RUBBER & FIBERGLASS SHEET & TAPE,
DISPERSION COATED

REQUIREMENTS:

1. Glass Cloth:

Type EC 128 or 1528
Cloth Thickness: 0.007" ± .001"

2. Silicone Rubber Dispersion: To be reversion resistant silicone rubber, EMS 2078 or Laur Silicone Compound No. 201, applied in two coats. First coat of silicone rubber to fill all interstices in glass cloth, and be fully cured. Second coat to remain uncured and be .0015" thick, minimum per side.

Final Total Thickness of Coated Cloth, inches	.010	+0.002	-0.001
Rubber Content, % by weight	45	-	50
Volatiles, % weight loss after 10 min. at 325°F, max.	.75		

3. Properties, Dispersion Coated Glass Cloth:

Tear Strength (ASTM D827-67**), lbs./in., minimum	30
Peel Strength (both sides of same sample), after bonding at elevated temperature* for 5 minutes at 50 psi on .005" copper strap, oz./inch of width, minimum	60
*-350°F for Laur 201; 450°F for EMS 2078	
Slip Resistance per EMD Standard Laboratory Procedure #91, (for P/N 9320301 only), lbs., minimum	5000
Dielectric Strength (ASTM D149-64**), VPM, minimum	200

4. Tolerances of Dispersion Coated Glass Cloth:

Thickness ————— +0.002"-0.001" From that specified.
Width, tape ————— + 0, - 1/16" (unless otherwise specified on the Engineering drawing)

5. Rolls: To be rolled on 1-1/2" I.D. non-collapsing core. Core width to be equal to width of tape. Tape or sheet to be interleaved with non-adhering material, if necessary. Maximum diameter of roll to be 7". No splices allowed.

6. Identification: Cores to be color-coded to identify supplier.

7. Marking and Handling: To be marked and handled with the requirements of TM00296, as herein amended. Roll container shall have following identification thereon:

Manufacturer
Date of Manufacture - Lot Number
Part Number - TM00284

(continued)

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Revision : 00

Date : 2/8/02

Distribution

Qty.

Approved:

CM
TAM
OMT
OC (CM)

2
2
1
1

M. Bhaskar
(M. BHASKAR)
Prepared

Checked

Date

2/8/02



**PRODUCT STANDARD
TME DIVN. BHOPAL**

TM00284

TME/2011

PAGE 2 OF 2

7. (continued)

Tape shall be shipped in metal or heavy cardboard containers and shall be kept refrigerated at 40°F maximum*. Upon receipt to user, tape shall be placed in cold storage at 40°F maximum. Shelf life at 40°F is 6 months.

- * - It is recognized that tape may be temporarily removed from refrigeration at various times during shipping and handling. Such instances should total no more than 1 day's time. In such instances, the tape should not be exposed to more than 80°F for more than a few minutes at a time.

NOTE: An Engineering Approval of Source is required for purchase of this material.

**NOTE: Wherever the specification or test of any society is referred to herein with its date, number, or revision letter stated, no other dated or more recent revisions are acceptable except by revision of this material - Specification.

GENERAL INFORMATION: (Not Mandatory Vendor Requirements)

This is a silicone rubber dispersion-coated glass cloth. Its first use was turn to turn insulation in the A20 660 alternator stator coils. First use of Revision A material was turn to turn insulation of D87 traction motor field coils.

DRAFTING INFORMATION:

Where use of this material is specified, it shall be designated as:

MATERIAL: TM00284 _____

followed by Tape or Sheet.

NOTE: These specifications were developed without considering whether patents may or may not be involved. In all cases, therefore, the supplier shall be required to assume patent liability.

Reference to EMD Standards

This specification is identical to EMD specification EMS 598.

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