

DETAIL SPECIFICATION SHEET

GASKETING MATERIAL, CONDUCTIVE, SHIELDING GASKET,
ELECTRONIC, ELASTOMER, EMI/RFI, CONTINUOUS CURED EXTRUSION
AND CONTINUOUS ROLL SHEETS STOCK

This Specification is approved for use by all
Departments and Agencies of the
Department of Defense.

The requirements for acquiring the gasket material described herein
shall consist of this specification and the latest issue of [MIL-DTL-83528](#).

This method is for the Group-A inspection subgroup 2 for Volume Resistivity frequency testing of all continuous
extrusions and sheet stock rolls sold by linear footage.

Figure 1 Continuous Extrusion Volume Resistivity Linear Location. [1/](#) [2/](#)

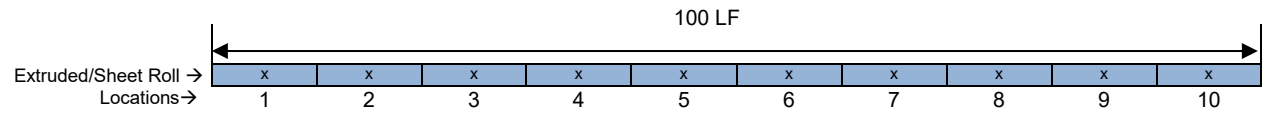
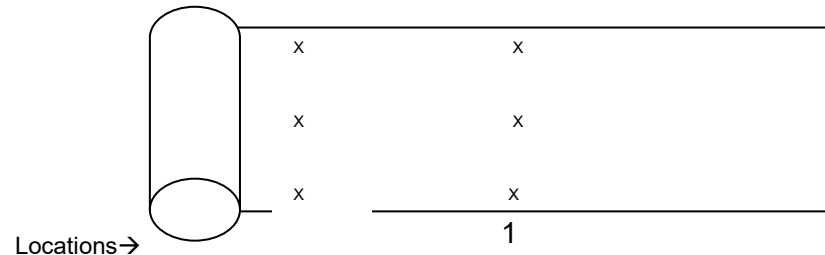


Figure 2 Sheet Roll Volume Resistivity Linear Location. [1/](#) [3/](#)



- 1/ Readings shall be taken in 10 locations distributed evenly though out the linear footage.
- 2/ Use average of the 10 readings.
- 3/ Use 3 readings per location and the average of 30 readings.
- 4/ For 100 LF 10 locations distributed: $100/10 = 10$ (every 10 feet). For 50 LF 10 locations distributed: $50/10 = 5$ (every 5 feet).



REQUIREMENTS:

Design and interface: See [figure 1](#), [figure 2](#)

Group A inspection Volume Resistivity: **Extrusions:** 1 reading per location [figure 1](#)
Sheet Roll: 3 readings per location (top middle bottom) [figure 2](#)

Material: Type A, B, C, D, E, F, G, H, J, K, L, or M. Color of sheet is the natural (unpigmented) color of the mixed/cured compound. If pigmented sheets are required, the color must be specified. [1/](#)

Part or Identifying Number (PIN):

1. Use the same PIN as stated in the extruded or sheet stock Detail Specification Sheet slash number.
2. Refer to the slash number Detail Specification Sheet for dimensional tolerances.

Dimension Tolerances. Refer to /001, /003, /007, /008, /009, /010, /011 & /015

Part or Identifying Number (PIN): M83528/015XAAA-BBBB
 X = Material Type [1/](#)
 AAA= Thickness is thousandths
 BBBB= Sheet size (Length X Width)

Example: M83528/016B020-1520 for material dimensioned at 0.020X15X20 of Silver Aluminum

TABLE I. Tolerances. [2/](#)

Thickness	Tolerance
0.020 (0.51) to 0.040(1.02)	±0.005 (0.127)
0.045 (1.14) to 0.080 (2.03)	±0.007 (0.178)
0.085 (2.16) to 0.130 (3.30)	± 0.010 (0.254)
0.135 (3.43) to 0.245 (6.22)	± 0.012 (0.305)
0.250 (6.35) , or larger	± 5% of thickness

[2/](#) Dimensions are in inches; metric equivalents are given in parenthesis and are for general information only.

Referenced documents. This document references [MIL-DTL-83528](#).

Custodians:

Army – CR
Navy – EC
Air Force – 85
DLA-CC

Preparing Activity:

DLA-CC

(Project 5999-2020-003)

Review activities:

Army - MI
Air Force – 19
NASA – NA

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.dla.mil/>.