

MIL-S-8516E
Amendment - 2
29 September 1972
Superseding
Amendment - 1
28 February 1972

MILITARY SPECIFICATION

**SEALING COMPOUND, POLYSULFIDE RUBBER, ELECTRIC CONNECTORS
AND ELECTRIC SYSTEMS, CHEMICALLY CURED**

This amend it forms a part of Military Specification MIL-S-8516., dated 30 July 1971, and is approved for use by all Departments and Agencies of the Department of Defense.

Page 2

2.1, Under "Federal Specifications": Add "TI-I-735, Isopropyl Alcohol"

Page 5

Add new paragraph:

"3.3.1.6 Shelf life. After storage as specified in 4.6.2.12, the sealing compound shall conform to the application life (3.3.1.3) and Cure A and B hardness (Table I) requirements."

Page 6

Table I, after "Fluid resistance" delete "(Type I)"

Page 8

Table II:

- a. Under Resistivity, Volume @ 185°F delete "Type II - 2×10^{11} " and substitute "Type II - 2×10^{10} ".
- b. Under Resistivity, Surface @ 185°F delete " 2×10^{10} " and substitute " 2×10^{11} ".
- c. Under Hydrolytic stability, change the requirement for plastic and resilient inserts from "5000" to "4000".

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Page 9

4.3.1, line 3: After the word "agent" add "and primer, if required"

Page 10

4.4.3.1, line 2: After the word "from" delete "Two of"

Page 12

4.5.3.4, line 2: After the word "phthalate" delete "or nylon"

Page 14

4.6.2.1.1, line 4: Change "volumes" to "volume"

Page 16

4.6.2.6.1, line 3: After the words "conforming to" add "Type III of"

Page 18

4.6.2.7, under immersion fluids: Change "Isopropyl Alcohol" to "Isopropyl Alcohol, TT-I-735"

Page 22

4.6.2.11.2, line 6: Delete "30 days" and substitute "120 days."

Add new paragraph:

"4.6.2.12 Shelf life. The sealing compound and curing agent in containers as specified in Section 5, shall be stored for a period of six (6) months \pm 1 day at a temperature of $77 \pm 2^{\circ}\text{F}$ ($23.4 \pm 1^{\circ}\text{C}$). Upon completion of this period, the base compound and curing agent shall be mixed and tested as specified in 4.6.2.1 and 4.6.2.5. The obtained values shall conform to the requirements in 3.3.1.6."

Page 25

4.6.3.7:

a. Line 6: Delete "30 days" and substitute "120 days."

b. Delete the last sentence of this paragraph.

4.6.3.9, line 1: After the word "phthalate" delete "or nylon"

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Page 27

Change paragraph number "5.1.1.3" to "5.1.2"

Page 29

6.6, line 2: Change "MIL-8-8616C" to "MIL-8-8516C"

Custodians

Army - MR
Navy - AS
Air Force - 84

Preparing Activity:

Navy - AS
(Project No. 8030-0405)

Review Activities

Army - MI
Navy - EC, OS
Air Force - 11

User Activities

Army - WC
Navy - MC