

INCH POUND

MIL-R-46846R
AMENDMENT 1
18 November 1994

MILITARY SPECIFICATION

RUBBER, SYNTHETIC, HEAT - SHRINKABLE

This amendment forms a part of MIL-R-46846R, dated 30 April 1992, and is approved for use by all Departments and Agencies of the Department of Defense.

PAGE 2

1.2.3: Delete and substitute:

"1.2.3 Type III. Cross-linked, fluoroelastomer, modified polymer of hexafluoropropylene and vinylidene fluoride dipolymer, molded parts and extended periods of high temperature and solvent attack.

- a. Class I - Tubing, expansion ratio 2, service temperature range -55 to 200°C.
- b. Class II - Molded parts and extruded shapes, expansion ratio 3.5, service temperature range of -55 to 200°C."

1.2.5: Delete.

PAGE 3

1.2.6: Renumber to read "1.2.5".

PAGES 5 AND 6

3.2: Delete and substitute:

"3.2 Materials. Type I synthetic rubber specified herein shall be fabricated from a cross-linked, stabilized, modified polychloroprene (Neoprene) composition. Type II synthetic rubber shall be fabricated from a cross-linked, stabilized, flame-retardant, modified silicone rubber composition. Type III synthetic rubber shall be fabricated from a cross-linked, stabilized, flame-resistant, fluoroelastomer, modified polymer of hexafluoropropylene and vinylidene fluoride dipolymer. Type IV

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synthetic rubber shall be fabricated from a cross-linked stabilized, propellant-resistant, modified butyl rubber composition. Type VI synthetic rubber shall be fabricated from a cross-linked, stabilized, flame-resistant, modified ethylene-propylene rubber composition. These expanded synthetic rubbers shall shrink to predetermined dimensions upon the application of heat as follows:

- a. Types I, IV, and VI - Heat in excess of 135°C
- b. Types II, III - Heat in excess of 175°C

PAGE 7

Table I: Delete Type V from Table.

PAGE 8

Table II: Delete Type V from Table.

PAGE 9

Para 3.5, line 3: Delete "type V,"

PAGE 14

Para 4.7.2, line 9: Delete "V and" and change word "Types" to read "Type."

PAGE 15

Para 4.7.3, line 5: Delete "and 100±3°C for Type V,"

PAGE 20

Add the following new paragraph:

"6.4 Type V synthetic rubber has been deleted from this specification because it duplicates the synthetic rubber specified by MIL-I-23053/5."

Para 6.4.1, line 10: Delete: "V, Class I -55 to 135±°C"

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PAGES 20 AND 21

Renumber the current paragraphs 6.4 through 6.8 to read "6.5 through 6.9."

Custodian:

Army - MI

Preparing Activity

Army - MI

Review Interest:

Army - EA, MF - MR,

OLA - GS

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