



Engineering Material Specification

ESE-M8G138-A1
ESE-M8G138-A2

3.2.4 Wire

ESE-M8G138-A1
ESE-M2A101-A

ESE-M8G138-A2
SAE-30302

Except;

Tensile strength, psi (MPa)	115 000-160 000 (793 - 1103)	105 000 - 145 000 (724 - 1000)
Yield Strength, psi (MPa)	85 000 - 120 000 (586 - 827)	45 000 - 80 000 (310 - 552)
Elongation, 10 in (254 mm), % min	10	10

3.2.5 Asbestos, min
(ASTM D 1918)

99%

3.3 CONDITIONING

Condition all specimens for 4 h at $23 \pm 2^{\circ}\text{C}$ and $50 \pm 2\%$ R.H. atmosphere.

3.4 SUPPLIER'S RESPONSIBILITY

Material supplied to this specification must be equivalent to that originally approved. Changes in formulation or processing shall not be made without prior approval as described in Supplier Procedure I-A.

4. APPROVAL OF SUPPLIERS

Suppliers to this specification must be approved by the affected product engineering office. Procedure for gaining approval of a specific material to a new/existing ES-M specification is contained in Supplier Procedure I-A. Approved new suppliers will be added to the Engineering Materials Approved Source List.

R 075

RAYDESTOS MANHATTAN

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