Engineering Material Specification

Material Name — Specification Number

GASKET, ASBESTOS/JUTE YARN-E.P. LUBRICANT — E — **ESE-M8G105-A**

NO PART X REF.

1. SCOPE

The material defined by this specification is a braided oil packing constructed of woven asbestos yarns, organic fiber yarns, suitable reinforcements and a polyethylene, calcium complex lubricant.

2. APPLICATION

This specification was released originally for material used as a crankshaft oil seal for engines.

3. REQUIREMENTS

3.1 CONSTRUCTION

Shall be constructed of outer and inner braided jackets and core.

- Outer jacket shall consist of 24 ends of 1520 asbestos yarn.
- Inner jacket shall consist of 8 ends of 2 ply, 15 lb (7 kg) jute chain yarn.
- Core shall consist of 3 longitudinal members of 35 lb (16 kg) silk jute roving and double trace of red and green.

Yarns of both jackets shall be impregnated with extreme pressure (E.P.) calcium complex polyethylene petroleum lubricant.

Outer jacket shall have the surface finished with finely divided graphite only.

3.2 COMPOSITION, BY WEIGHT

3.2.1	Asbestos/Vegetable Yarn	36 - 42%
3.2.2	Jute	18 - 22%
3.2.3	Lubricants	38 - 42%
	Oxidation Stability, Pressure Drop, max (ASTM D 942, 500 h)	20 psi (138 kPa)
	Dropping Point, min (ASTM D 566)	177°C

9001 1361

Date	Para. No.	Revisions
1978 08 02		Metricated, Renumbered & Retyped CISH-RD78244OE Supp #5
1964 05 05		Released E7-3098

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