Engineering Material Specification

Material Name	Specification Number
ASBESTOS PAPER BASE - PHENOLIC LAMINATE	F ESF-M3D80-A

1. SCOPE

The material defined by this specification is an asbestos paper base, laminated sheet material thoroughly impregnated with a thermosetting resin.

2. APPLICATION

This specification was released originally for material used where continuous high temperature (204°C) and mechanical strength are required such as the armature thrust washer in the starting motor.

3. REQUIREMENTS

3.1	TENSILE STRENGTH, min (ASTM D 638)	
	WMD	9500 psi (66 MPa)
	AMD	7000 psi (48.3 MPa)
3.2	FLEXURAL STRENGTH, min (ASTM D 790)	16 000 psi (110 MPa)
3.3	COMPRESSIVE STRENGTH, min (ASTM D 695)	40 000 psi (276 MPa)
3.4	IMPACT STRENGTH, min (ASTM D 256, notched)	0.75 ft lb/in (40 J/m)
3.5	HARDNESS - ROCKWELL "M", min (ASTM D 785)	105
3.6	SPECIFIC GRAVITY, min (ASTM D 792, Method "A")	1.65
3.7	WATER ABSORPTION, max (ASTM D 570, 24 h immersion)	1.5%

3.8 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 1-A.

Date	Para. No	Revisions
1978 03 09		Metricated and Retyped CF4H-RD 56716E-13
1963 10 11		Released F6-1139

Ford 3946-B 8001 1306

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