

ENGINEERING SPECIFICATION - MATERIALS

MATERIAL NAME			MATERIAL NO			
GASKET - ASBESTOS FIBERS & ELASTOMERIC POLYMERS			ESW-M86135-A			
DATE	LET	REVISIONS	DR	CK	ENGR APPR	SHEET NO
2-15-73		RELEASED				1
		PCR 970223				
					APPROVED BY	OF
						2
					R. D. CHAPMAN	

1. SCOPE: THE MATERIAL DEFINED BY THIS SPECIFICATION IS A GASKET MATERIAL COMPOUNDED FROM ASBESTOS FIBERS AND ELASTOMERIC POLYMERS. IT IS PRODUCED BY THE BEATER ADDITION PROCESS.

2. APPLICATION: THIS MATERIAL IS GENERALLY USED AS REAR AXLE COVER PLATE GASKETS.

3. REQUIREMENTS: (FOR 1/32" THICK MATERIAL)

3.1 CONDITIONING: SPECIMENS SHALL BE CONDITIONED IN AN OVEN AT 215 ± 5 F FOR 1 HOUR AND COOLED IN A DESICCATOR CONTAINING ANHYDROUS CALCIUM CHLORIDE PRIOR TO TESTING.

3.2 COMPRESSIBILITY: 15 - 25%
(ASTM F36, PROCEDURE "A")

3.2.1 RECOVERY: 40% MINIMUM

3.3 TENSILE STRENGTH: 1500 PSI MINIMUM
(ASTM F104, TYPE 1)

3.4 IMMERSION IN LIQUIDS: (THICKNESS CHANGE SHALL BE MEASURED WITH 9 ± 0.1 OZ LOAD ON GAGE BEFORE IMMERSION, AND 3 ± 0.1 OZ AFTER IMMERSION, USING A PRESSER FOOT DIAMETER OF 0.25 ± 0.01 ").

LIQUID	TIME & TEMPERATURE	THICKNESS CHANGE
ASTM OIL #1	5 HRS @ 300 ± 5 F	20 - 35%
ASTM OIL #3	"	35 - 60%
ASTM FUEL "A"	5 HRS @ 72 ± 5 F	15 - 30%
ASTM FUEL "B"	"	25 - 40%

3.5 COMPRESSION SET: 60% MAXIMUM
(ASTM D395, METHOD "B", 22 HOURS AT 158 ± 2 F, PLIED TO $\frac{1}{2}$ ")

3.6 PHYSICAL AND/OR PERFORMANCE REQUIREMENTS OF FINISHED PRODUCT: WHEN REQUIRED, SHALL BE AS SPECIFIED ON THE AFFECTED PART OR PRODUCT ENGINEERING DRAWING, OR IN THE AFFECTED PART OR PRODUCT ENGINEERING PERFORMANCE SPECIFICATION.

PLAINTIFF'S EXHIBIT

FD 1357

8005 0815

PQ

EXR STAFF 3948 KAE 100

Ford Motor Company

PRODUCED BY FORD

SCF-FORD-0986

ENGINEERING SPECIFICATION - MATERIALS

MATERIAL NAME GASKET - ASBESTOS FIBERS & ELASTOMERIC POLYMERS				MATERIAL NO ESW-M8G135-A			
DATE	REV.	REVISIONS		DR	CK	ENGR APPR	SHEET NO
2-15-73		RELEASED PCR 970023					2
						APPROVED BY R. D. CHAPMAN	OF
							2

3.7 SUPPLIER'S RESPONSIBILITY: ALL MATERIAL SUPPLIED TO THIS SPECIFICATION SHALL BE EQUIVALENT IN ALL CHARACTERISTICS TO THE MATERIAL UPON WHICH APPROVAL WAS ORIGINALLY GRANTED AND SHALL BE SUITABLE FOR THE INTENDED APPLICATION.

NO CHANGES IN AN APPROVED FORMULATION, NOR AN APPROVED PROCESS BY WHICH APPROVED SAMPLES WERE MANUFACTURED, SHALL BE MADE UNTIL NEW SAMPLES HAVE BEEN TESTED AND APPROVED, AS OUTLINED IN PARAGRAPH 4.

4. APPROVAL OF NEW SUPPLIERS: MATERIALS SUBMITTED BY NEW SUPPLIERS TO THIS SPECIFICATION SHALL BE APPROVED BY THE AFFECTED PRODUCT ENGINEERING OFFICES.

FOR APPROVED SOURCES, SEE ENGINEERING RELEASE AND/OR ENGINEERING STAFF'S APPROVED SOURCE LIST.

8005 0816