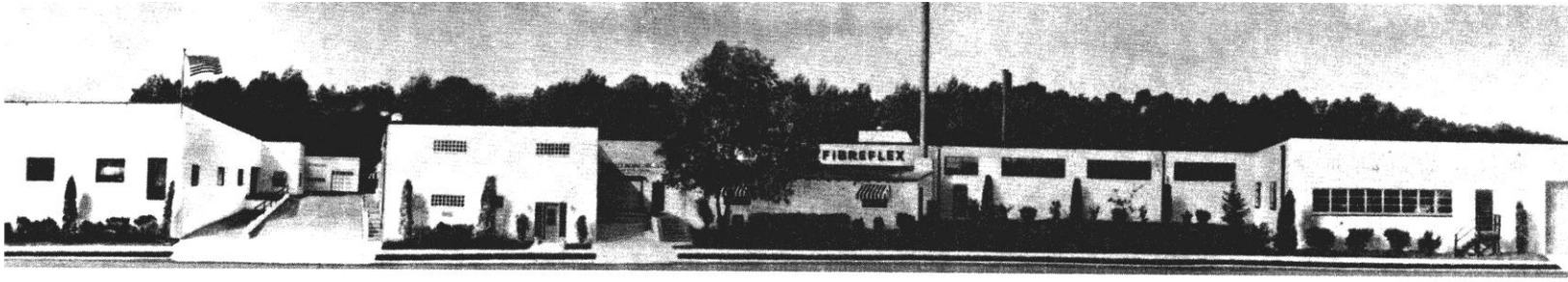

FIBREFLEX PACKING & MFG. CO.

INCORPORATED

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GENERAL SPECIFICATIONS
FIBRE-KORK

A. SCOPE: FIBRE-KORK is a composition cork and fibre glue-glycerine impregnant gasket material manufactured and tested to the below-listed specifications. FIBRE-KORK consists of a special base fibre containing 40% granulated cork particles by volume. FIBRE-KORK is saturated with a glue-glycerine impregnant which makes the sheet impervious to oil, water and gasoline. The incorporation of the cork with the fibre makes FIBRE-KORK a soft compressible material adaptable for gasket application with low internal pressures.

B. CERTIFICATION: FIBRE-KORK is certified to meet the below listed specifications:

MIL-G-12803A	Ident. No. P3415A
MIL-G-128030B & MIL-G-12803C	Ident. No. F328148M4
ASTM D 1170 and SAE J90	Ident. No. P3415A
ASTM F 104 and SAE J90	Ident. No. F328148-E41-M4

B. PHYSICAL CHARACTERISTICS:

Fibre (60% by volume) and Cork (40% by volume	45% to 55%
Moisture	6% to 10%
Chemical Solids	35% to 45%

D. CONDITIONING: All samples conditioned prior to testing as specified by applicable application--usually 50% RH -70 to 85° F for a period of 22 or 24 hours.

E. STANDARDS: (Using American Society of Testing Materials Specification ASTM F 104 prepared jointly with the Society of Automotive Engineers and similar in requirements to MIL-G-12803C.

ORIGINAL PHYSICAL PROPERTIES	Test Load	1000 p.s.i. min.
	Compressibility	40% to 55%
	Tensile Strength	1000 p.s.i. min.
PHYSICAL PROPERTIES AFTER IMPRESSION	Fuel B--Thickness increase	5% maximum (Not Applicable to MIL-G-12803C)
	#3 Oil--Thickness increase	5% maximum
	Fuel B--Weight increase	30% maximum (Not Applicable to MIL-G-12803C)
	#3 Oil--Weight increase	30% maximum
	Water--Weight increase	100% maximum

F. THICKNESS TOLERANCES:

Thickness	**Plus or Minus**
.006", .010" and .015"	.0035"
.021", .031", .046" and .062"	.005"
.096" (3/32")	.008"
.125" (1/8") and up	.016"

G. FLEXIBILITY: FIBRE-KORK is capable of withstanding bending around a rod with a diameter of twice the thickness of the material under test, without cracking, breaking, or excessive marring of the surfaces.

H. TEMPERATURE LIMIT: 250° F