



PRODUCT NEWS

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ALGCO GASKET MATERIAL

APPLICATION

General purpose gasket material. Resistant to the effects of many liquids. Excellent sealing properties. Adaptable to a variety of service conditions.

SCOPE

An excellent grade of vegetable fibre sheet properly saturated with a glue glycerine impregnant, rendered insoluble by means of a tanning agent, to give a strong, flexible, oil-proof packing with properties retained during storage and in use.

Certified to meet Navy Specification 33-P-22B, Federal Specification HH-P-96C, and MIL-G-12803, Grade 3212. Certificate of approval Serial Number EN28/L5/1558. Approved by Underwriters Laboratories MH4649.

PHYSICAL CHARACTERISTICS

Fibre	49%
Moisture	6% (Average*)
Chemical Solids	45% (Glycerine - Glue - Formaldehyde)
	<u>100%</u>

*% of moisture is subject to many variables due to climatic conditions during shipment, storage, etc. Normal ranges from 6 to 10%.

PHYSICAL PROPERTIES

Normal Thickness	Range	Normal Thickness	Range	Normal Thickness	Range
.006	.005-.008	.021	.018-.026	.062	.056-.069
.010	.009-.012	.032	.027-.035	.094	.085-.102
.015	.012-.020	.045	.040-.052	.125	.113-.138

Compressibility

30 - 40% (Load - 100 p.s.i.)

Recovery

50 - 75%

Tensile

2000 p.s.i. or more in either direction after 24 hours exposure to dry air at 120 degrees Fahrenheit.

Absorbency (Maximum)

Water	65%	Average	(percent of absorption covers a wide
#30 Oil	10%	"	range depending upon caliper of test
Kerosene	10%	"	sample. Average is normally much
Gasoline	15%	"	lower than % shown.)

Leakage Tests

No leakage when testing — a gasket 1-3/8" O.D. and 3/4" I.D. compressed between metal flanges, having external flange pressures of 300 lbs. or more p.s.i. and internal fluid (kerosene) pressure of 100 p.s.i.

Dimensional Stability

Elongation of shrinkage is in direct proportion to moisture content. Tests made to determine the elongation per inch on a specimen 20 inches long from a dry condition after 24 hours at 120 degrees F. in a dry oven to a moist condition after 24 hours in a closed container over water, indicated an average change of .006" to .008" or a deviation of plus or minus .004" per inch from normal.

Flexibility

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.

Texture

The material shall have a uniform texture and shall show no evidence of irregularity of impregnation.