

FILE NAME: Copeland (COP)

DATE: 1982 Sept 20

DOC#: COP007

DOCUMENT DESCRIPTION: Company Product Specifications

VICTOR®**ENGINEERING SPECIFICATION****VICTOPAC 69**

The VICTOPAC group of compressed asbestos-free sheet packings is made from asbestos-free fibers and elastomeric binders. These high density materials are made by a calender sheet process.

VICTOPAC 69 is made with asbestos-free fibers bonded with chloroprene binder. It is intended for use in applications where resistance to petroleum products and engine coolants is required. It withstands high fluid pressures and flange stress, and is also used for sealing gases. Because of the binder's resistance to ozone, it has excellent shelf life. Recommended temperature for adequately bolted installation is 800°F (427°C). The color is black. Material can be supplied with VICTOR 999 Antistick Coating.

PHYSICAL PROPERTIES

All tests are based on ASTM F 104, using 0.031" (0.79 mm), except where otherwise noted.

Compressibility @ 1000 psi (6.89 MPa)	%	5 - 10
Recovery after 1000 psi (6.89 MPa)	min. %	40
Compressibility @ 5000 psi (34.47 MPa)	%	7 - 17
Recovery after 5000 psi (34.47 MPa)	min. %	40
Tensile Strength	min. psi (MPa)	1900 (13.10)
Density	min. lb/ft ³ (kg/m ³)	116 (1858)

Immersion, ASTM Oil #3, 5 Hr, 300°F (149°C):

Compressibility @ 5000 psi (34.57 MPa)	max. %	30
Tensile Loss	max. %	40
Thickness Increase	%	8 - 20

Immersion, ASTM Fuel B, 5 Hr, 70-85°F (21-30°C):

Weight Increase	max. %	20
Thickness Increase	%	5 - 18

Sealability, ASTM F 37,

Internal Pressure 20"Hg (67.7 kPa),

External Load 300 psi (2.07 MPa):

Leakage for .016" (0.41 mm) material	max. ml/hr	5
" for .031" (0.79 mm) material	max. ml/hr	5
" for .047" (1.19 mm) material	max. ml/hr	5
" for .062" (1.57 mm) material	max. ml/hr	5

Creep Relaxation, ASTM F 38,

Method B, 22 Hr, 3000 psi (20.68 MPa):

		70-85°F (21-30°C)	212°F (100°C)	300°F (149°C)	400°F (204°C)
for .016" (0.41 mm) material	% max.	12	16	20	26
for .031" (0.79 mm) material	% max.	16	25	30	36
for .047" (1.19 mm) material	% max.	18	30	38	45
for .062" (1.57 mm) material	% max.	20	35	50	60

Available Thicknesses in inches (mm):

.016 ±.002	+.005 (.41 ±.05 ±.13)	.047 ±.005 (1.19 ±.13)
.031 ±.005	(.79 ±.13)	.062 ±.008 (1.57 ±.20)

E. S. #311

Date: 9-20-82 Change A

VICTOR PRODUCTS DIVISION, DANA CORPORATION
1845 OHIO STREET, Lisle, ILLINOIS 60532-2189
TEL: (312) 960-4200, TELEX: 206003

COP 1623