

E.S. 2.3.1.4

Flexitallic Gaskets

- .1 SCOPE: This specification covers spiral wound gaskets manufactured by the Flexitallic Gasket Company, Inc.
- .2 MANUFACTURE: Flexitallic gaskets are manufactured by spirally winding a preformed metal strip and a filler on the O.D. of metal winding mandrels. Normal practice is to reinforce the inner and outer most diameters with several plies of metal strip without filler. For specific applications gaskets may be furnished in a variety of configurations such as with inner and/or outer solid metal rings to facilitate positioning, prevent blow-out, prevent crushing, etc.
- .3 TEST REPORTS: Upon request, a copy of the manufacturer's or distributor's standard Certificate of Conformance shall be supplied with each shipment.
- .4 MATERIALS: Unless otherwise stated on the drawing, the following standard materials shall be supplied.

- .1 Metal Strip: AISI 304 stainless steel
- .2 Filler: "Flexite Super"
- .3 Inner +/- Outer Solid Metal Ring (when required): Low carbon steel

.5 MECHANICAL PROPERTIES (TYPICAL FOR "FLEXITE SUPER" FILLER):

Tensile Strength: 460 PSI (MD)	400 PSI (CD)
Compression at 1000 PSI: 24%	Recovery: 24%

.6 HARDNESS: Not applicable.

.7 TOLERANCES:

<u>Gasket Diameter</u>	<u>I.D.</u>	<u>O.D.</u>	<u>Thickness</u>
Up to 10"	+/- 1/64"	+/- 1/32"	-.005, + .010
10" to 24"	+/- 1/32"	+/- 1/16"	-.005, + .010
24" to 60"	+/- 3/64"	+/- 1/16"	-.005, + .010

IMO DELAVAL INC.
IMO PUMP DIVISION
MONROE, NC 28110

Section 2.3.1.4
Page 1 of 2
Rev. 02 (88-0404)
Date 06/88
Approved ACT

E.S. 2.3.1.4

Physical Properties and Characteristics (Information Only)

"Flexite Super" Filler: Non-Asbestos, complex chlorite mineral with graphite and acrylic binder manufactured into compressed paper.

Temperature and chemical resistance equivalent to asbestos filler when used in spiral-wound gaskets.

Density: 66 Lbs./Ft.³
Tot. Chloride: 49 P.P.M.

Standard Gasket Designs:

- 1) Style "R": Round, spiral-wound gaskets with no added accessories intended for use on standard ANSI or BS flanges as follows:
"R-1" for large male and female flanges.
"R-3" for large tongue and groove flanges.
"R-4" for small tongue and groove flanges.

Standard thickness uncompressed: .125" nominal
Recommended thickness compressed: .090 - .100"

- 2) Style "CG": Round, spiral-wound gaskets with a solid metal (or spiral-wound metal strip if space limited) outer ring intended for use on ANSI B 16.5 raised or flat faced flanges.

Standard thickness uncompressed: .175" (1/8" outer ring)
Recommended thickness compressed: .125 - .135"

Note: Unless otherwise stated on the drawing or order, gasket design will be predicated on an assumed system pressure of 600 PSI.

Section 2.3.1.4
Page 2 of 2
Rev. 02 (88-0404)
Date 06/88
Approved ACT

IMO DELAVAL INC.
IMO PUMP DIVISION
MONROE, NC 28110

TX0146