

Spiral Wound Specifications

Temperature Limits for Common Metals

Material	Minimum		Maximum		Abbreviation
	°F	°C	°F	°C	
304 Stainless Steel	-320	-195	1,400	760	304
316L Stainless Steel	-150	-100	1,400	760	316L
317L Stainless Steel	-150	-100	1,400	760	317L
321 Stainless Steel	-320	-195	1,400	760	321
347 Stainless Steel	-320	-195	1,700	925	347
Carbon Steel	-40	-40	1,000	540	CRS
20Cb-3 (Alloy 20)	-300	-185	1,400	760	A-20
HASTELLOY® B 2	-300	-185	2,000	1,090	HAST B
HASTELLOY® C 276	-300	-185	2,000	1,090	HAST C
INCOLOY® 800	-150	-100	1,600	870	IN 800
INCOLOY® 825	-150	-100	1,600	870	IN 825
INCONEL® 600	-150	-100	2,000	1,090	INC 600
INCONEL® 625	-150	-100	2,000	1,090	INC 625
INCONEL® X750	-150	-100	2,000	1,090	INX
MONEL® 400	-200	-130	1,500	820	MON
Nickel 200	-320	-195	1,400	760	NI
Titanium	-320	-195	2,000	1,090	TI

Guide Ring Color Code*
Yellow
Green
Maroon
Turquoise
Blue
Silver
Black
Brown
Beige
White
White
Gold
Gold
No Color
Orange
Red
Purple

Temperature Limits for Filler Material

Material	Minimum		Maximum COT		Abbreviation
	°F	°C	°F	°C	
Ceramic†	-350	-212	2,000	1,090	CER
Flexible Graphite	-350	-212	950	510	F.G.
PTFE	-400	-240	500	260	PTFE
Verdicarb (Mica Graphite)	-350	-212	350	175	VC

Stripe Color Code*
Light Green
Gray
White
Pink

Standard Tolerances

For windings

Gasket Diameter	ID	OD
Up to 1"	" +1/64" -0	" +0 -1/32"
1" to 24"	" +1/32" -0	" +0 -1/32"
24" to 36"	" +3/64" -0	" +0 -1/16"
36" to 60"	" +1/16" -0	" +0 -1/16"
60" and above	" +3/32" -0	" +0 -3/32"

For spiral wound gaskets not otherwise specified.

Gasket Thickness	Gasket Tolerance	Width Limits		Compressed Thickness
		Minimum	Maximum	
0.125"***	±0.005"	3/16"	1"††	0.090 - 0.100"
0.175"***	±0.005"	1/4"	1-1/2"††	0.125 - 0.135"
0.250"***	±0.005"	5/16"	1-1/2"††	0.180 - 0.200"
0.285"***	±0.005"	5/16"	1-1/2"††	0.200 - 0.220"

Available Thicknesses

Winding	Ring(s)
	Inner & Outer
0.125"	3/32"
0.175"	1/8"
0.250"	3/16"
0.285"	3/16"

Note:

Thickness tolerance is ±0.005" on all gaskets, except +0.010" -0.005" on gaskets with:

- Less than 1" ID and greater than 26" ID
- PTFE filler
- Flange widths of 1" or greater

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* ASME B 16.20 standard

† Contact Garlock Engineering when selecting this material.

** Measured across the metallic portion of the gasket not including the filler, which may protrude slightly.

†† Spiral wound gaskets can be made to large maximum widths if required. Call Garlock for details.