

150 CLASS & 300 CLASS RED RUBBER FULL FACE & RING GASKETS

Features

Red rubber gaskets are manufactured from Styrene-Butadiene (SBR). This synthetic material was developed as an alternative to natural rubbers. The red rubber gaskets are recommended for service in cold and hot water, air, and some weak acids. It should not be used with strong acids, oils, grease, and chlorates. It offers little resistance to ozone and to the majority of hydrocarbons.

Standards

- Meets ASME B16.21 for 150 Class gaskets
- Dimensions: ASME B16.5
(Except 30" which is ASME B16.47 Series A)

Service Limits

- Max. Temperature: 170°F (77°C)
- Min. Temperature: -20°F (-29°C)
- Max. Pressure: 200 PSIG (13.8 Bar)
- Max Pressure x Temperature (PxT) - 20,000 (°F x PSIG)



Typical Physical Properties

Property	Value
Durometer Hardness	75 Shore A ±5
Tensile	400 PSI
Elongation	150%
Finish	Smooth
Compression Set for 22 Hrs @ 158°F (70°C) (ASTM D395B)	35%
Heat Aging for 94 Hrs @ 158°F (70°C) (ASTM D573)	
Change in Hardness	+5 Shore A
Change in Tensile	-15%
Change in Elongation	-35%

Properties and application parameters shown on this data sheet are typical. Failure to select proper sealing products could result in property damage and/or serious personal injury.

Figure Number Matrix

FNW R 1 FFG A Size						
PRESSURE	TYPE	THICKNESS	SIZE CODE			
150 Class	Ring Gasket = RG	1/16" = 116	1/2 = D	2 = K	6 = U	16 = 16
300 Class	Full Face Gasket = FFG	1/8" = A	3/4 = F	2-1/2 = L	8 = X	18 = 18
			1 = G	3 = M	10 = 10	20 = 20
			1-1/4 = H	4 = P	12 = 12	24 = 24
			1-1/2 = J	5 = S	14 = 14	30* = 30

* NOTE: The 30" red rubber gaskets are available in 150 Class, 1/8", full face only (FNWR1FFGA30).