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3R870

COMPRESSED SHEET

Compressed non-asbestos sheet gasket material produced from a combination of aramid fiber, inorganic fillers and bonded with styrene-butadiene rubber (SBR). It is a high quality sheet for general service with excellent sealing properties. Even if it compressed this sheet stays stable.



APPLICATIONS

The 3R 870 has numerous applications in the process industries handling media like:

- Mild acids and alkali
- General chemicals
- Industrial gases
- Brine
- Water
- Neutral solutions
- Air
- Saturated steam

SPECIFICATIONS

Technical Data

Temperature Limits	
Maximum	380°C (715°F)
Continuous Max	250°C (490°F)
Pressure limits	
Maximum	1015 psi (70 bar)
Continuous Max	725 psi (50 bar)
ASTM Line call out	
F104	F712120E2M5
Color	White

Available Sheet Size

Thickness	1/64" to 1/8"
Sheet size	59" x 63", 59" x 126", 118" x 126"

ASTM Test Method

-	
• Density	122 lb/ft³ (1.96 gm/cc)
F36	
• Compressibility	7-17%
• Recovery	min 45%
F38	
• Tensile Strength across grain	2030 psi (14 N/mm²)
• Creep relaxation	22%
• Torque retention (DIN 52913)	37 N/mm²
F495	
• Ignition Loss	max 34%
F146	
• Thickness increase after 5 hour immersion - ASTM IRM 903 @ 300°F (150°C)	max 12%
• Thickness increase after 5 hour immersion - ASTM Fuel B @ 77°F (25°C)	max 10%
• Weight increase after 5 hour immersion - ASTM IRM 903 @ 300°F (150°C)	max 15%
• Weight increase after 5 hour immersion - ASTM Fuel B @ 77°F (25°C)	max 15%
F37	
• Sealability at 1000 psi	0.25 ml/h

N.B. The information, details and values indicated are to the best of our knowledge. We recommend to conduct tests according to local conditions. The data is subject to some variations without notice.