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3R871

COMPRESSED SHEETS

Compressed non-asbestos sheet gasket material produced from a combination of aramid fibers, inorganic fillers and bonded with nitrile rubber (NBR). It is an ideal material for sealing gaskets used in presence of air, oils, steam and neutral solutions.



APPLICATIONS

The 3R871 has numerous applications in the process industries handling media like:

- Mild acids and alkali
- General chemicals
- Vapor
- Hydrocarbons
- Neutral solutions
- Industrial gases
- Gasoline
- Water
- Oils
- Air

SPECIFICATIONS

Technical Data

Temperature Limits	
Maximum	385°C (725°F)
Continuous Max	260°C (500°F)
Pressure limits	
Maximum	1595 psi (110 bar)
Continuous Max	725 psi (50 bar)
ASTM Line call out	
F104	F71220E23M5

Color	Blue
Available Sheet Size	
Thickness	From 1/64" to 1/8"
Sheet Size	59" x 63", 59" x 126"
ASTM Test Method	
-	
• Density	119.5 lb/ft ³ (1.92 g/cc)
F36	
• Compressibility	7-17%
• Recovery	min 50%
F38	
• Tensile Strength	1820 psi (12.5 Mpa)
• Creep relaxation	22%
• Torque retention (DIN 52913)	37 N/mm ²
F495	
• Ignition Loss	max 26%
F146	
• Thickness increase after 5 hour immersion - ASTM oil IRM 903 @ 300°F (150°C)	max 15%
• Thickness increase after 5 hour immersion - ASTM Fuel B @ 77°F (25°C)	max 15%
• Weight increase after 5 hour immersion - ASTM oil 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	0.2 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.