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3R865

COMPRESSED SHEETS

Compressed non-asbestos sheet gasket material produced from a combination of aramid and other synthetic fibers and bonded with nitrile rubber (NBR). It is an efficient material that is recommended in the fabrication of seals in industrial processes and in the water/wastewater industry. It is also commonly used in equipment such as valves and pumps.



APPLICATIONS

The 3R865 is appropriate for the use in the following general categories :

- Mild organic and inorganic acids
- Water and brine
- Aliphatic, aromatic and oxygenated solvents
- Air
- General chemicals
- Animal, synthetic and vegetable oils
- Concentrated and diluted alkali
- Industrial gases
- Petroleum and derivatives
- Refrigerants
- Neutral solutions

SPECIFICATIONS

Technical Data

Temperature Limits	
Maximum	400°C (750°F)
Continuous Max	240°C (460°F)
Pressure limits	
Maximum	1595 psi (110 bar)
Continuous Max	725 psi (50 bar)
ASTM Line call out	
F104	F712120E2M5

Color	Green
Available Sheet Size	
Thickness	1/64" to 1/8"
Sheet size	59" x 63", 59" x 126", 118" x 126"
ASTM Test Method	
-	
• Density	109 lb/ft ³ (1.75 gm/cc)
F36	
• Compressibility	7-17%
• Recovery	min 45%
F38	
• Tensile Strength across grain	1670 psi (11.5 N/mm ²)
• Creep relaxation	25%
• Torque retention (DIN 52913)	28 N/mm ²
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 know ledge. We recommend to conduct tests according to local conditions. The data is subject to some variations w ithout notice.