

### industries3r.com

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# **3R886** COMPRESSED SHEETS

Compressed non-asbestos sheet gasket material produced from aramid fibers, reinforced with a woven wire mesh and bonded with nitrile rubber (NBR). This premium grade sheet is graphited on both sides and is ideal for applications where temperatures and pressures fluctuate.



### **APPLICATIONS**

The 3R886 has a broad range of applications in the process industries and in the water and wastewater industry. It is also commonly used in equipment such as pumps and valves. This sheet is suitable for service handling the following general media categories:

- Mild organic and inorganic acids
- Concented and diluted alkali
- Water
- Brine
- Saturated steam
- Industrial gases
- Animal, synthetic and vegetable oils
- Petroleum and derivatives
- General chemicals
- Aromatic, chlorinated and oxygenated solvents
- Neutral and aliphatic solutions
- Refrigerants
- Air

## **SPECIFICATIONS**

**Technical Data** 

Temperature Limits	
Maximum	380°F (715°F)
Continuous Max	200°C (390°F)
Pressure limits (vacuum)	
Maximum	1450 psi (100 bar)

Continuous Max	580 psi (40 bar)
ASTM Line call out	
F104	713230E23M6
Color	Black
Available Sheet Size	
Thickness	1/32", 1/16", 3/32", 1/8"
Sheet sizes	59" x 63", 59" x 126"
ASTM Test Method	
-	
• Density	118 lb/ft³ (1.9 g/cc)
F36	
Compressibility	10-20%
Recovery	Min. 40%
F38	
Tensile Strength Across Grain	2680 psi (18.5 N/mm²)
Creep relaxation	-
Torque retention (DIN 52913)	-
F495	
Ignition Loss	max 37%
F146	
<ul> <li>Thickness increase after 5 hour immersion - ASTM IRM 903 @ 300°F (150°C)</li> </ul>	max 20%
<ul> <li>Thickness increase after 5 hour immersion - ASTM Fuel B @ 77°F (25°C)</li> </ul>	max 15%
<ul> <li>Weight increase after 5 hour immersion - ASTM IRM 903 @ 300°F (150°C)</li> </ul>	max 20%
<ul> <li>Weight increase after 5 hour immersion - ASTM Fuel B @ 77°F (25°C)</li> </ul>	max 15%
F37	
• Seability at 1000 psi	-
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**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.