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PTFE PRODUCTS

3R8100



Description

The 3R8100 is produced from virgin PTFE resin filled with micro spheres of Barium Sulfate. This unique process of fabrication provides the Tealon® a high level of fibrillation to overcome the creep relaxation and cold flow problems associated with mechanical grade (3R810) and virgin grade (3R812) PTFE sheets. It is FDA approved.

Applications

- Food industry
- Strong caustics
- Moderate acids
- Chlorine
- Gases
- Water
- Steam
- Hydrocarbons
- Hydrogen
- Aluminum fluoride

Specifications

Technical Data

| | |
|------------|----------------|
| Sheet size | 60"X60" |
| Thickness | 1/16" and 1/8" |

| | |
|---|-----------------------------------|
| Color | Off-white |
| PH | 0 - 14 |
| Pressure | 1200 psi (83 bar) |
| Temperature | -268°C to 260°C (-450°F to 500°F) |
| PxT factor (psi x °F) | 1/16": 350 000, 1/8": 250 000 |
| Compressibility Range @ 5000 psi (ASTM F-36A) | 4-10% |
| Recovery @ 5000 psi (ASTM F-36A) | 40% |
| Creep Relaxation (ASTM F-38B) | 15% |
| Specific Gravity (ASTM D-792) | 2.90g/cm ³ |
| Tensile strength (ASTM F-152) | 2030psi |
| Sealability (ASTM F-37A) | 0.04ml/h |
| Sealability (DIN 3535) | 0.015cm ³ /min |
| Gasket factors m | 1/16" and 1/8": 2 |
| Gasket factors y | 1/16": 1 800psi, 1/8": 1 500psi |
| Gasket factors - Force maximale Sgmax | 1/16": 20 000psi, 1/8": 14 500psi |

N.B. The information presented may differ from practice. We recommend conducting tests according to the conditions of use. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products. The data is subject to certain variations without notice.