



INDUSTRIES 3R

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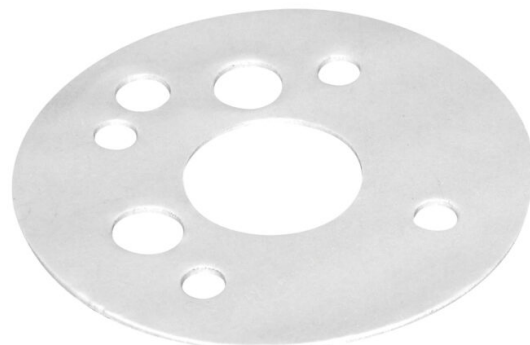
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PTFE PRODUCTS

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/cm³
Tensile strength (ASTM F-152)	2030psi
Sealability (ASTM F-37A)	0.04ml/h
Sealability (DIN 3535)	0.015cm³/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.