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PTFE PRODUCTS

3R8000



Description

The 3R8000 is produced from virgin PTFE resin filled with hollow glass micro spheres. 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.

Applications

It is suitable for services with a wide variety of aggressive fluids, including hydrocarbons, acids and caustics, solvents, water, steam, hydrogen-peroxide and refrigerants. The high compressibility of 3R8000 makes it particularly suitable for use with stress sensitive and/or fragile flanged joints.

Specifications

Technical Data

Dimensions	60"X60"
Thickness	1/16", 1/8"
Color	Blue
pH	0-14
Pressure	800 psi (55 bar)
Temperature	-268°C to 260°C (-450°F to 500°F)
Compressibility (ASTM F36 M)	30-50%
Recovery (ASTM F36 M)	30%

Tensile strength (ASTM F152)	2030 psi
Specific Gravity (ASTM D792)	1.70g/cm³
Creep Relaxation (ASTM F38)	40%
PxT factor (PSI x F)	1/16": 350 000, 1/8": 250 000
Gasket factor "m"	1/16", 1/8": 2
Gasket factor "y"	1/16", 1/8": 1 500psi
Maximum seating stress 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.