



INDUSTRIES 3R

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PTFE PRODUCTS

## 3R811

Food Industry

Sealing



### Description

The 3R 811 is produced by expanding 100% virgin PTFE into a highly fibrillated structure which exhibits characteristics significantly different than conventional PTFE. The expanded PTFE is much more flexible than regular PTFE and thus conforms easily to irregular and rough surfaces. In addition, the expanded material is easier to compress and exhibits excellent resistance to creep and cold flow. This style of joint sealant is supplied as a continuous tape with a self-adhesive backing strip to facilitate easy installation.

### Applications

This joint sealant resists virtually all chemicals in the 0-14 pH range and will not contaminate flow media. It has no smell or taste. It fulfills the FDA 21 CFR 177.1550 Perfluorocarbon Regulations.

It is recommended for the following sealing applications:

Steel pipe flanges, heat exchanges, manhole and handhole covers, glass-lined pipe flanges, fiberglass reinforced vessels, ceramic joints, fiberglass pipe flanges, pump housing flanges, ventilation ducts, plastic pipe flanges, compressor housing flanges, hydraulic and pneumatic systems, fume ducts, turbine cases, water supply systems and food ducts.

### Specifications

#### Technical Data

|               |   |
|---------------|---|
| Temperature   | -240°C to 260°C (-400°F to 500°F)                           |
| Pressure      | Static: Vacuum to 2900 psi (200 bar)                        |
| pH            | 0 - 14 (except molten alkali metals and elemental fluorine) |
| Certification | FDA 21 CFR 177.1550 Perfluorocarbon Regulations             |

## Size recommendations

|   |                                |
|---|--------------------------------|
| Flange size For pipe size up to 1/2" dia. | Width : 1/8"Thickness: 1/16"   |
| Flange size 3/4" to 1- 1/2" dia.          | Width : 3/16"Thickness: 0.087" |
| Flange size 2" to 4"                      | Width : 1/4"Thickness: 3/16"   |
| Flange size 5" to 8"                      | Width : 3/8"Thickness: 3/16"   |
| Flange size 10" to 16"                    | Width : 1/2"Thickness: 1/4"    |
| Flange size 18" to 24"                    | Width : 5/8"Thickness: 0.28"   |
| Flange size 26" to 36"                    | Width : 3/4" Thickness: 5/16"  |
| Flange size 36" and above                 | Width : 1" Thickness: 5/16"    |

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.