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3R810SH

PTFE

The 3R 810SH gasket sheet is manufactured by expanding 100% virgin PTFE using a proprietary process that produces a uniform and highly fibrillated microstructure with equal tensile strength in all directions. The resulting product exhibits characteristics significantly different than conventional PTFE sheets. This style is much softer and more flexible than regular PTFE sheet and thus conforms easily to irregular and rough surfaces. In addition, the material is easier to compress and minimizes creep and cold flow.



APPLICATIONS

This material is an all purpose gasket sheet that can replace all other types of PTFE sheets. It will seal all aggressive chemicals over the entire 0-14 pH range except for molten alkali metals and elemental fluorine. Made from 100% virgin PTFE, it not only resists chemical attack, but it will not contaminate or discolor end products. These industries currently use expanded PTFE sheets:

-distillers, pharmaceutical, iron and steel manufacturing, petrochemical, general chemical, pulp and paper, food and beverage, power generation and marine.

SPECIFICATIONS

Technical Data

Temperature	-265°C to 315°C (-445°F to 595°F)
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Service limits

Color	White
pH	0 - 14 (except molten alkali metals and elemental fluorine)
Available thickness (62" X 62" sheets)	1/16", 1/8", 1/4"

Physical properties

Stress retention (DIN 52913) (Mpa)	15
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Compressibility (ASTM F-36) %	45
Recovery (ASTM F-36) %	14
Tensile strenght (ASTM F-152) Mpa	31
Density (g/cm³)	0.9

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.