Flat Gaskets

Gylon® PTFE gaskets

Gylon® Standard Style 3500 and Style 3501E

These general purpose gasketing materials offer significant advantages over conventional PTFE in regard to functionability at higher temperature/pressure combinations. Style 3500 and 3501 E GYLON® gasketing conform to FDA specifications.

Gylon® Off-White Style 3510

Style 3510 GYLON® has a very wide chemical resistance (the optimum of all the GYLON® gasketing products). It is particularly suited for service against hydrofluoric acid and other strong chemicals such as potassium and sodium hydroxide, hydrogen fluoride, aluminium fluoride and chrome plating solutions. Conforms to FDA specifications.

Gylon® Blue 3504

Gylon® Blue is specially developed for Food and Pharmaceutical applications. Ideal for email flages and for those applications where low bolt forces are available. Conforms to FDA-specification, and is approved according USP class VI.

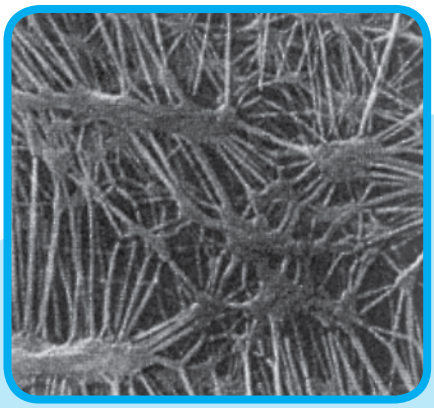
GYLON® - technical data

	GYLON® standard Style 3501 E	*GYLON® Blue Style 3504*	*GYLON® Off-White Style 3510*
Temperature range	-210 to +260°C	-210 to +260°C	-210 to +260°C
Pressure load	83 bar	55 bar	83 bar
P x T, max. thickness : 1 and 1,5 mm	12000	12000	12000
3,0 mm	8600	8600	8600
Compressive creep strength (DIN 52913) 150°C - 30 N/mm^2	16	15	14
175°C - 50 N/mm^2	25	-	-
Modules at 100% Elongation (ASTM D1708)	11 N/mm^2	10 N/mm^2	9 N/mm^2
Compressibility (ASTM F 36)	7-12%	25-45%	4-10%
Recovery (ASTM F 36)	40%	30%	40%
Creep relaxation (ASTM F 38)	18%	40%	11%
Tensile strength (ASTM D 1708)	14 N/mm^2	14 N/mm^2	14 N/mm^2
Sealability (ASTM F 37 B) ASTM Fuel A: Internal pressure = 0,7 bar, Gasket load = 7 N/mm^2	0,1 ml/h	0,12 ml/h	0,04 ml/h
Gas sealability (DIN 3535/6)	0,10 cm^3/min	0,15 cm^3/min	0,10 cm^3/min
Leak rate (DIN 28090-2), λ 2,0	<0,001 mg/(s x m)	<0,001 mg/(s x m)	<0,001 mg/(s x m)
Density (DIN 28090-2)	2,19 g/cm^3	1,70 g/cm^3	2,80 g/cm^3
Quality	FDA	FDA	FDA

Other materials conform to FDA:
- *Eriks EPDM white*
- *Eriks Blanca (NR/SBR)*
- *Eriks silicone*

Flat Gaskets

GORE® gaskets



GORE® sealants are among the world's tightest, chemically resistant gaskets. They have proven value to companies that handle aggressive or toxic materials that must be kept in compliance with environmental and safety regulations. Made from 100% expanded PTFE, GORE® gaskets are suitable for use throughout the entire pH range, except molten alkali metals and elemental fluorine. They withstand temperatures from -450°F to 600°F (-268°C to 315°C) which makes them ideal for high temperature as well as cryogenic applications.

Physiological Safety
GORE®, gasket tape, GORE-GR® Style R sheet gasketing and GORE-TEX® TriGuard may be safely used as articles or components of articles used in producing, manufacturing, packaging, processing, preparing, treating, transporting or holding foods. Physiologically harmless in prolonged installation at temperatures up to +260°C according to VDI/VDE guide-line 2480, complies to FDA 21 CFR 177.1550 5PTFE) requirements for food.

GORE-GR® Style R Sheet Gasketing
GORE-GR® Style R Sheet gasketing is manufactured using Gore's unique pro-prietary expanded ePTFE process. Its multidirectional strength inhibits creep and cold flow and also limits the pos-sibility of blow out.
GORE-GR® Style R Sheet gasketing is a development based on GORE-GR® sheet gasketing. It provides a 6-fold increase in bend resistance making the gaskets easier to handle.

GORE® Gasket Tape
A form-in-place ePTFE gasketing mate-rial available in a variety of profiles to suit virtually any sealing configuration. Ideal for full-face gaskets where precise compressed thickness is essential.

GORE® - technical data

Availability	*DF Tape*	*Series 300 and 600 Tape*	*GR/GR Style R Sheet and cut gasket*
Installation	Apply overlap, cut, tighten up		Cut to shape, insert, tighten up
Temperature range	-240°C to +270°C for short periods up to +315°C	-240°C to +270°C for short periods up to +315°C	-240°C to +270°C for short periods up to +315°C
Pressure	210 bar	210 bar	210 bar
Chemical resistance	pH 0-14	pH 0-14	pH 0-14
Sealing factor $k_{1(PN40)}$ = $k_0 x k_{D(PN40)}$ =	1,6 x b_D 1,95 x b_D	2,5 x b_D 25,4 x b_D	2,5 x b_D 25,4 x b_D
Material characteristics	Expanded PTFE	Multi-directional orientated ePTFE	Multi-directional orientated ePTFE