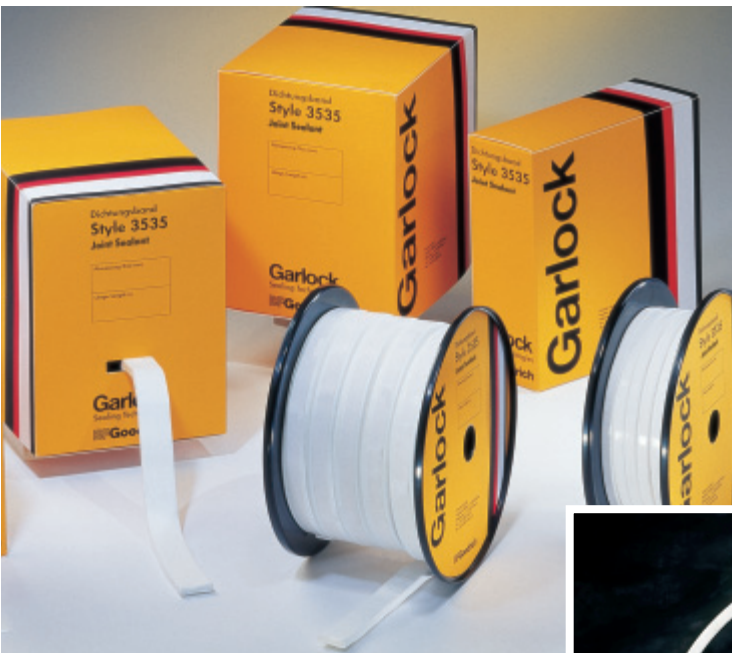


Garlock

Soft PTFE Gasketing for all flange connections



Style 3535 Joint Sealant



GYLON Style 3545



ISO 9002-94
Cert. #001762



Garlock
Sealing Technologies

Style 3535 Joint Sealant

Style 3535 manufactured from expanded PTFE

Style 3535 is manufactured from pure high-tech PTFE. Because of the expanded fiber structure and its orientation the negative cold-flow properties are reduced to a minimum.

The wide chemical resistance capabilities combined with a large temperature range from minus 240°C to plus 260°C make Style 3535 an outstanding gasketing material.

The material does not include fillers, is chemically inert, light and weather resistant. Consequently, long-term storage will not have any detrimental effect on this product.

A self-adhesive backing is factory applied on the reverse of the PTFE strip for easy installation, and Style 3535 can be used for all flat face sealing surfaces as flanges, heat exchangers, gearboxes, filters, and other similar flanged connections.

Available as a continuous length on bulk spools, Style 3535 can be easily cut and formed making it an economical solution for a large variety of applications.

Technical properties

- Resistant to aggressive media
- Temperature range from -240°C to +260°C
- Quality-approvals by TÜV, BAM, DVGW
TÜV Prüf. Nr. MP 3/8993
BAM Prüf. Nr. TGB 8609/88-4-2905
DVGW Reg. Nr. G 89 e 001
- Available in many different sizes
- Easy to install
- Wide variety of applications
- Long lifetime in service and storage
- High reliability

Up to pipe size	Width
50 mm	3 mm
200 mm	5 mm
600 mm	7 mm
1,500 mm	10, 12 mm
ab 1,500 mm	14, 17, 20 mm

Installation Instruction

Clean sealing surfaces, remove the cover of the adhesive backing, and apply Style 3535 within the flange bolt circle. The ends of the strip should overlap in front of a bolt position.

After installation the sealing strip should be transparent, and no longer white in colour, showing the correct load has been applied.

When applying to glass-lined flanges we do not recommend the conventional installation method, as the double thickness of the sealing strip in the overlapped area may result in cracking of the glass. In this application, a diagonal scarfed joint should be used.

Standard dimensions

Width (mm)	Thickness (mm)	Length per spool (m)
3	1,5	25
5	2,0	25
7	2,5	25
10	3,0	15
12	4,0	15
14	5,0	10
17	6,0	10
20	7,0	5

Deformation properties relative to loads in mm

Dimension	10 N/mm ²	20 N/mm ²	30 N/mm ²	40 N/mm ²
3 x 1,5 mm	3,6 x 0,5	3,8 x 0,4	4,2 x 0,4	4,3 x 0,3
5 x 2 mm	5,8 x 0,7	5,9 x 0,6	5,9 x 0,5	6,0 x 0,3
7 x 2,5 mm	8,7 x 1,0	8,7 x 0,8	8,8 x 0,7	8,8 x 0,6
10 x 3 mm	11,0 x 1,2	11,9 x 1,0	12,0 x 0,9	12,0 x 0,7
12 x 4 mm	14,4 x 1,7	14,4 x 1,5	14,6 x 1,2	14,7 x 1,0
14 x 5 mm	16,4 x 1,9	16,6 x 1,4	16,8 x 1,2	20,9 x 0,8
17 x 6 mm	20,0 x 2,4	20,3 x 1,6	20,3 x 1,3	20,4 x 0,9
20 x 7 mm	23,6 x 2,5	23,9 x 1,9	24,0 x 1,6	24,0 x 1,1

GYLON Style 3545 Gasketing

Benefits

Tighter seal

- Highly compressible PTFE outer layers seal under low bolt load – suitable for many non-metallic flanges.
- Compressible layers conform to surface irregularities, especially on warped, pitted or scratched flanges.
- Rigid PTFE middle layer offers reduced cold flow and creep. All layers are manufactured using the proprietary GYLON process.
- Rigid PTFE middle layer creates more recovery and limits compressibility.

Excellent chemical compatibility

- PTFE is suitable for a wide range of chemical applications.

Easy to cut and install

- Style 3545 gaskets can be easily cut on site from large sheets, reducing inventory costs and expensive downtime.
- Rigid PTFE core facilitates easy installation, especially on large diameter flanges and hard-to-reach areas.

Availability

GYLON Style 3545 is available in sheet-sizes of: 1,500 mm x 1,500 mm and thickness of 2,0 – 3,0 – 4,8 – 6,4 mm.

Technical Information

GYLON Style 3545

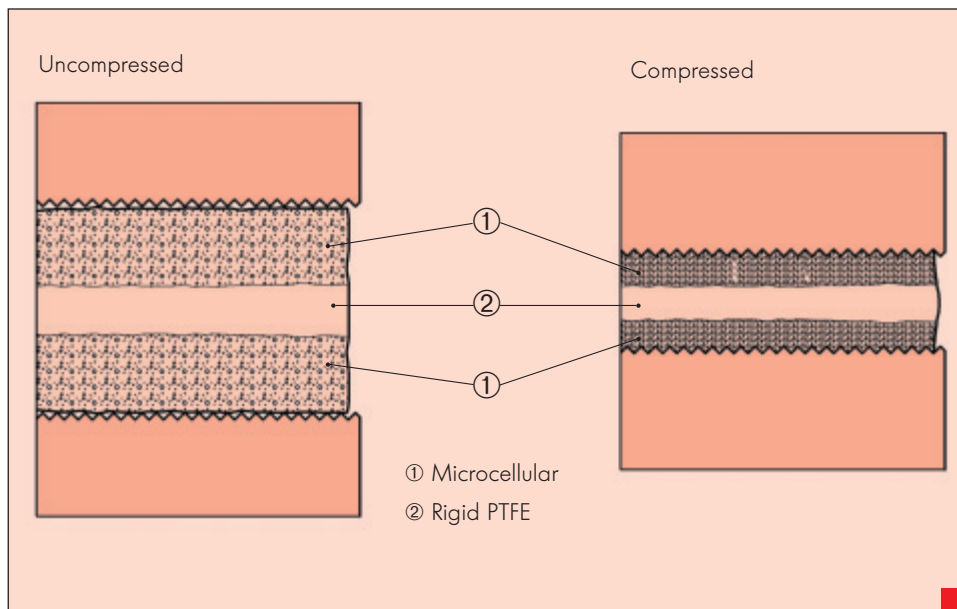
Temperature range	-210 to +260 °C
Pressure load	83 bar
P x T, max.** thickness	1,0 and 1,5 mm
	3,0 mm
Compressibility (ASTM F 36)	60-70%
Recovery (ASTM F 36)	15%
Creep relaxation (ASTM F 38)	15%
Tensile strength (ASTM D 1708)	-
Sealability (ASTM F 37 B) ASTM Fuel A	0,15 ml/h
Gas sealability (DIN 3535/6)	0,04 cm ³ /min
Leak rate (DIN 28090-2), λ _{2,0}	<0,002 mg/(s x m)

P x T – Factor

Note that the published maximum operating temperature and operating pressure should not both be exceeded concurrently. Note: the multiplication of the max. temperature (°C) and the max. pressure (bar) must not exceed the max. P x T.

Every combination of pressure and temperature that, when multiplied result below the max. P x T indicates that Style 3545 will be suitable for the application.

The technical data stated above is determined in laboratories according to DIN and ASTM-guidelines. There may be differences in practical applications due to variations in operating conditions.



All layers manufactured using proprietary GYLON process – thermally fused layers, without the use of adhesives.

Product Range



Hydraulic Components



Oil Seals



Compression Packings



Gasketing Products



Expansion Joints



Metallic Gasketing



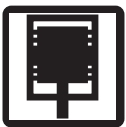
Inflatable Seals



Mechanical Seals



Valves



Compressor Products

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