

Style GS8600 Expanded PTFE

Product Introduction

GS8600 is the 100% expanded PTFE which is made by special expanded process. It can perform with excellent tensile strength, high temperature range, superior chemical resistance, pollution-free and ageing resistance.

Specifications

Temperature, cont. max. -260°C to 260°C

Pressure, max. 40bar*

Chemical resistance could be applied to most medias(except molten alkali metals and elemental fluorine)

*Consult Garlock applications engineering if pressure is above 10bar

Benefits

- Excellent cost-effective expanded PTFE gasketing
- Superior chemical resistance
- Easy to remove from flange
- Indefinite shelf life
- Flexible material - easy to cut and handle
- ideal for scratched flanges



Ideal for

- Petrochemical
- Primary Metals
- Pulp & Paper
- General Industry use

TYPICAL PHYSICAL PROPERTIES

ASTM Test Method		Typical Results
ASTM D152	Tensile Strength, MPa	≥23
	Specific Gravity	0.79 ± 0.2
F36	Compressibility%	60-70
F36	Recovery%	≥8
F38	Creep Relaxation, %	
	22 hrs @ 212°F (100°C)	≤70
DIN3535-4	gas permeability, cc/min	
	Nitrogen, internal pressure=40bar, gasket load=32MPa	0.1

Note: This is a general guide and should not be the sole means of selecting or rejecting this material. ASTM test results in accordance with ASTM F-104; properties based on 3mm sheet thickness unless otherwise mentioned.

Sheet sizes:

1520mm*1520mm*1.5mm, 1520mm*1520mm*3mm,
1520mm*1520mm*6mm.

Consult local Garlock sales representatives if you need any other sizes.

AUTHORIZED REPRESENTATIVE



WARNING:

Properties/applications shown throughout this brochure are typical. Your specific application should not be undertaken without independent study and evaluation for suitability. For specific application recommendations consult Garlock. Failure to select the proper sealing products could result in property damage and/or serious personal injury. Performance data published in this brochure has been developed from field testing, customer field reports and/or in-house testing. While the utmost care has been used in compiling this brochure, we assume no responsibility for errors. Specifications subject to change without notice. This edition cancels all previous issues. Subject to change without notice.

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