

# Chemical Resistance of Garlock Compressed Sheet and GYLON®

Medium	Garlock Style Number													
	GYLON®							IFG 5500 G-9900 9850	9800	ST-706	2900 <sup>1,4</sup> 3000	3200 3400	2930 3300	IFG 5507 3700
	3500	3504 3565 3594	3510 3591	3560	3561	3535 3540 3545	3530							
Return Condensate	A	A	A	A	A	A	A	A	A	A	A	–	–	A
Seawater	A	A	A	B	B	A	A	A	A	A	A	A	A	A
Tap	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Whiskey and Wines 10	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Wood Alcohol	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Xceltherm 550	A	A	A	A	A	A	A	B	C	B	B	C	B	C
Xceltherm 600	A	A	A	A	A	A	A	A	C	A	A	C	B	C
Xceltherm MK1	A	A	A	A	A	A	A	C	C	C	C	C	C	C
Xceltyherm XT	A	A	A	A	A	A	A	C	C	C	C	C	C	C
Xylene	A	A	A	A	A	A	A	C	C	C	C	C	C	C
Zinc Chloride	A	A	A	B	B	A	A	A	A	A	A	A	A	A
Zinc Sulfate	A	A	A	A	A	A	A	A	A	A	A	A	A	A

Key: A = Suitable; B = Depends on operating conditions; C = Unsuitable; – = No data or insufficient evidence

## NOTES:

- Consult the factory regarding your specific applications. See "Monomers" in Gasketing Terms Section, page C-52.
- IFG® Style 5507 is rated "B".
- There have been conflicting field reports concerning the suitability of NBR and neoprene bound gaskets in 123. End users should take note.
- IFG® Style 5507 is rated "A".
- Some chromium plating baths contain fluorides that can attack silica and silicate type fillers in some GYLON® styles. If the bath is known to contain little or no fluoride, all GYLON® styles should be suitable for use.
- These GYLON® styles can be expected to be suitable to 45-59% concentration at temperatures up to 250°F (121°C).
- Use GYLON® styles 3502, 3503, 3505, 3562, 3563. These styles are specially processed, cleaned and packaged for oxygen service.
- This GYLON® contains a stainless steel insert. There is a possibility that this might contribute traces of iron to form iron tannates, resulting in undesirable color in the tannic acid.
- These styles are not preferred choices for steam service, but are successful when adequately compressed.
- If a gasketing material that conforms to FDA requirements is desired, contact factory for specific recommendations.
- These GYLON® gasket styles can be expected to be suitable to 75% concentration at temperatures up to 400°F (204°C).
- Not a fire-tested material.
- Minimum recommended assembly stress = 4,800 psi. Preferred assembly stress = 6,000-10,000 psi. Gasket thickness of 1/16" strongly preferred. For saturated steam above 150 psig, consult Garlock Engineering.
- Styles 2900 and 2950 exhibit identical chemical resistance properties.

**Call  
for specific recommendations.**

## 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.