

Chemical Resistance of Garlock Compressed Sheet and GYLON®

A general guide for selection of gasketing material

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

Footnotes explained on page C-38.

Medium	Garlock Style Number														
	GYLON®								IFG 5500 G-9900 9850	9800	ST-706	2900 ¹⁴ 3000	3200 3400	2930 3300	IFG 5507 3700
	3500	3504 3565 3594	3510 3591	3560	3561	3535 3540 3545	3530								
Abietic Acid	A	A	A	A	A	A	A	A	–	A	A	–	–	–	
Acetaldehyde	A	A	A	A	A	A	A	C	C	C	C	C	C	B	
Acetamide	A	A	A	A	A	A	A	A	C	A	A	C	A	B	
Acetic Acid (Crude, Glacial, Pure)	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	B ¹	B ¹	B ¹	B ¹	B ¹	B ¹	B ¹	
Acetic Anhydride	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	B ¹	B ¹	B ¹	B ¹	B ¹	B ¹	B ¹	
Acetone	A	A	A	A	A	A	A	C	B	C	C	B	B	A	
Acetonitrile	A	A	A	A	A	A	A	C	–	C	C	–	B	B	
Acetophenone	A	A	A	A	A	A	A	C	C	C	C	C	C	B	
2-Acetylaminofluorene	A	A	A	A	A	A	A	C	C	C	C	C	C	C	
Acetylene	A	A	A	A	A	A	A	A	B	A	A ¹²	B	A	B	
Acrolein	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	B ¹	C	B ¹	B ¹	C	B ¹	B ¹	
Acrylamide	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	C	C	C	C	C	C	C	
Acrylic Acid	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	C	C	C	C	C	C	B ¹	
Acrylic Anhydride	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	–	–	–	–	–	–	–	
Acrylonitrile	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	C	C	C	C	C	C	C	
Air (300°F and Below)	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Allyl Acetate	A	A	A	A	A	A	A	C	C	C	C	C	C	B	
Allyl Chloride	A	A	A	B	B	A	A	C	C	C	C	C	C	B	
Allyl Methacrylate	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	A ¹	C	C	C	C	C	C	C	
Aluminum Chloride	A	A	A	B	B	A	A	A	A	A	A	A	A	A	
Aluminum Fluoride	C	–	A	C	C	A	A	C	C	C	C	C	C	C	
Aluminum Hydroxide (Solid)	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Aluminum Nitrate	A	A	A	A	A	A	–	B	B	B	B	B	B	B	
Aluminum Sulfate	A	A	A	B	B	A	A	A	A	A	A	A	A	A	
Alums	A	A	A	B	B	A	A	A	A	A	A	A	A	A	
4-Aminodiphenyl	A	A	A	A	A	A	A	C	C	C	C	C	C	C	
Ammonia, Gas, 150°F and below	A	A	A	A	A	A	A	A	A	B	A	A	A	A	
Gas, Above 150°F	A	A	A	A	A	A	A	C	C	C	C	C	B	B	
Liquid, Anhydrous	A	A	A	A	A	A	A	B	–	B	B	–	A	A	
Ammonium Chloride	A	A	A	B	B	A	A	A	A	A	A	A	A	A	
Ammonium Hydroxide	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Ammonium Nitrate	A	A	A	A	A	A	–	B	B	B	B	B	B	B	
Ammonium Phosphate, Monobasic	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Dibasic	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Tribasic	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Ammonium Sulfate	A	A	A	B	B	A	A	A	A	A	A	A	A	A	
Amyl Acetate	A	A	A	A	A	A	A	C	C	C	C	C	C	B	
Amyl Alcohol	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Aniline, Aniline Oil	A	A	A	A	A	A	A	C	C	C	C	C	C	B	
Aniline Dyes	A	A	A	A	A	A	A	C	B	C	C	B	B	B	
o-Anisidine	A	A	A	A	A	A	A	C	C	C	C	C	C	C	

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.