



CORROSION RESISTANCE GUIDELINE

Pas-Gon Fiberglass Profiles are resistant to many types of chemicals, liquids, gases and environmental conditions. Since the degree of resistance and durability depends upon varying operational conditions and environments such as concentration, pressure, system cycling, ambient temperature, etc., the following data should be used as general reference.

Max Temp. (in Celsius) Working limits - Chemical Resistance

Acetic Acid 5%	65	Hydrochloric Acid 1-10%	40
Acetone	NR	Hydrochloric Acid 1-10%	40
Acetic Acid 5-40%	30	Hydrochloric Acid 10-35%	25
Aluminum Sulfate 5%	85	Kerosene	80
Ammonium Nitrate Aq.Sol.	80	Methyl Ethyl Keton	NR
Ammonia 5-24%	25	Nitric Acid 0-5%	25
Brine	60	Nitric Acid 10%	NR
Calcium Sulfate Aq.Sol.	60	Phosphoric Acid up to 30%	60
Calcium Chloride Aq. Sol.	80	Phosphoric Acid 30-85%	25
Chromic Acid 5%	25	Sodium Carbonate 10%	25
Caustic Soda 1-10%	NR	Sodium Bicarbonate	30
Caustic Soda 20-45%	NR	Sodium Hypochloride 10%	NR
Diesel Oil	55	Sodium Hydroxide	NR
Detergents (Not Caustic)	60	Sodium Sulfate	60
Ethylene Glycol	45	Sulphuric Acid Conc.	NR
Formalin	35	Sulphuric Acid 0-30%	40
Fatty Acids 100%	50	Toluene	25
Ferric Chloride Aq. Sol.	60	Xylene	25
Ferric Sulfate Aq. Sol.	60	Water Deionized	70
Hydro Bromic Acid 0-20%	40	Water Sea	70

NR= Not Recommended

Please note:

1. Above data is for all of *Pas-Gon* profiles.
2. Properties for specific profiles (in stock or custom-made) as well as additional or improved properties are available upon request.
3. Different resin formulations can provide even greater resistance to various chemicals – if required, please consult with us.
4. For information or guidance concerning use of profiles in environment with chemicals, which were not listed, please consult with us.
5. Any uncoated, exposed, sawed or drilled fiber surface is easily "attacked" by potentially corrosive "agents". Therefore, for improved chemical resistance and profile performance, these areas should be carefully resin dipped and/or protected by other means.
6. All profiles that are more than 10mm. in diameter are manufactured with a special polyester veil in order to prevent the glass roving from "sticking out" on the surface.
7. The data in this publication is accurate and reliable to the best of our knowledge.