

Klinger Flexible Graphite Chemical Compatibility

Exhibits a high resistance to most agents including inorganic and organic acids and bases, solvents, hot wax and oils. Exceptions are strong oxidizing compounds such as concentrated nitric acids, highly concentrated sulfuric acid, chromium (VI) and permanganate solutions, chloric acids and molten alkaline and alkaline earth metals.

Medium	Concentration	Temperature
Inorganic Acids		
Hydrochloric Acid	all	boiling point
Hydrofluoric Acid	all	boiling point
Phosphoric Acid	all	boiling point
Sulphuric Acid	0-70%	boiling point
Chromic Acid	0-10%	392°F (200°C)
Nitric Acid	0-10%	185°F (85°C)
Nitric Acid	10-20%	140°F (60°C)
Nitric Acid	over 20%	104°F (40°C)
Organic Acids		
Phenylsulfonic Acid	60%	boiling point
Acetic Acid	all	boiling point
Acetic Anhydride	100%	boiling point
Chloroacetic Acid	all	boiling point
Amino Acid	all	boiling point
Alkalis		
Caustic Soda	all	boiling point
Sodium Hydroxide	solid	melting point
Solvents		
Benzene & Homologues	0-100%	boiling point
Ethers	0-100%	boiling point
Alcohols	0-100%	boiling point
Esters	0-100%	boiling point
Ketones	0-100%	boiling point
Halogenated Hydrocarbons	0-100%	boiling point
Vinyl Chloride	0-100%	boiling point
Mineral Oils	0-100%	boiling point

Improve Gasket Performance with Anti-Stick Coating

Only Thermoseal provides Klinger Flexible Graphite gasket materials with an industry-proven Anti-Stick Coating. Our exclusive "AS" coating keeps gaskets from sticking, promotes higher gasket performance by reducing graphite build-up, aids in easy gasket removal and helps keep flanges cleaner. The anti-stick properties of our coating are independent of temperature and stress. Plus, it can help save you both time and money by reducing downtime and the cost of cleaning the flanges. Don't get stuck with inferior gasket materials – choose KLINGER® for a smooth flowing operation, every time.

