

PEEK Material Compatibility Chart

For: Nova™ Tubing/ Fittings and Mixers

Grade	Translation
A	Compatible
B	No Severe Effect Suggestion: mixer and tubing set should be dedicated for this chemical and not used for other formulations
C	Severe Effect Suggestion: Use stainless steel tubing, fittings and mixers, available from Helix Biotech

Chemical	Compatibility Grade
Acetaldehyde	A
Acetic Acid	A
Acetic acid, glacial	A
Acetone	A
Acetonitrile	A
Acetylene	A
Acrylic Acid	A
Adhesives (not cyanoacrylates)	A (Room temperature only)
Aliphatic Esters	A
Alum, saturated	A
Aluminum Chloride	A



PEEK Compatibility Chart

Aluminum Sulfate	A
Ammonia, 880	A
Ammonia, anhydrous	A
Ammonia, aqueous	A
Ammonium Chloride, 10% conc.	A (Room temperature only)
Ammonium Hydroxide, 10% conc.	A (Room temperature only)
Ammonium Nitrate	A
Amyl Acetate	A
Antimony Trichloride	A
Aromatic Solvents	A
Barium Salts (chloride, sulfide)	A (Room temperature only)
Benzaldehyde	A (Room temperature only)
Benzene	A
Benzoic Acid	A
Benzyl Alcohol	A (Room temperature only)
Bleach	A
Boric Acid	A
Brine	A
Calcium Bisulfide	A
Calcium Carbonate	A (Room temperature only)
Calcium Chloride	A
Calcium Hydroxide	A (Room temperature only)
Calcium Hypochlorite	A
Calcium Nitrate	A (Room temperature only)
Calcium Sulfate	A
Carbolic Acid	A (Room temperature only)



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Carbon Tetrachloride	A
Carbonic Acid	A
Chloroacetic Acid	A
Chlorobenzene	A
Chloroform	A
Citric Acid	A
Copper Acetate	A
Copper Carbonate	A
Copper Chloride	A
Dibromoethane	A (Room temperature only)
Dibutyl Phthalate	A (Room temperature only)
Dichlorobenzene	A (Room temperature only)
Diethylamine	A (Room temperature only)
Diethylether	A
Dimethylsulfoxide (DMSO)	B
Ethanol	A
Ether	A
Ethyl Acetate	A(Room temperature only)
Ethylene Glycol	A
Ethylene Nitrate	A
Ethylene Oxide (ETO)	A (Room temperature only)
Ethylene Sulfate	A (Room temperature only)
Ferric Chloride	B
Ferric Nitrate	A (Room temperature only)
Ferric Oxide	A
Ferric Sulfate	A (Room temperature only)



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Ferrous Chloride	A (Room temperature only)
Ferrous Nitrate	A (Room temperature only)
Ferrous Sulfate	A
Formaldehyde	A
Formalin	A (Room temperature only)
Glycerol	A (Room temperature only)
Glycols	A
Heptane	A (Room temperature only)
Hexane	A (Room temperature only)
Hydrochloric Acid, 10% conc.	A
Hydrochloric Acid, conc.	A (Room temperature only)
Hydrogen Peroxide	A
Isopropanol	A
Ketones	A (Room temperature only)
Lead Acetate	A
Lubricating Oil	A (Room temperature only)
Magnesium Chloride	A
Magnesium Hydroxide	A (Room temperature only)
Magnesium Sulfate	A
Maleic Acid	A
Mercuric Chloride	A
Mercury	A
Methanol	A
Nickel Acetate	A
Nickel Chloride	A
Nickel Nitrate	A



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Nickel Salts	A (Room temperature only)
Nickel Sulfate	A
Nitric Acid, 10% conc.	B
Nitric Acid, 30% conc.	B
Nitric Acid, 50% conc.	C
Nitric Acid, conc.	C
Nitrobenzene	A (Room temperature only)
Nitrogen	A (Room temperature only)
Nitrous Oxide	A (Room temperature only)
Oils (Di-Ester & Phosphate Ester Based)	A
Oils (petroleum)	A
Oils (vegetable)	A
Oleic Acid	A (Room temperature only)
Phosphoric Acid, 10% conc.	A
Phosphoric Acid, 50% conc.	A
Phosphoric Acid, 80% conc.	A
Phosphorous Chlorides	A
Phosphorous Pentoxide	A
Phthalic Acid	A
Picric Acid	A
Potassium Aluminum Sulfate	A
Potassium Bicarbonate	A (Room temperature only)
Potassium Bicarbonate	A (Room temperature only)
Potassium Bromide	A
Potassium Carbonate	A (Room temperature only)
Potassium Chlorate	A



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Potassium Chloride	A
Potassium Dichromate	A (Room temperature only)
Potassium Ferricyanide	A (Room temperature only)
Potassium Ferrocyanide	A (Room temperature only)
Potassium Hydroxide, 10% conc.	A (Room temperature only)
Potassium Hydroxide, 70% conc.	A (Room temperature only)
Potassium Nitrate	A
Potassium Permanganate	A (Room temperature only)
Potassium Sulfate	A
Potassium Sulfide	A (Room temperature only)
Propanol	A
Silicic Acid	A
Silicone Fluids	A
Silver Nitrate	A
Skydrol Hydraulic Fluid	A (Room temperature only)
Sodium Acetate	A (Room temperature only)
Sodium Acetate	A (Room temperature only)
Sodium Bicarbonate	A (Room temperature only)
Sodium Carbonate	A
Sodium Chlorate	A
Sodium Chloride	A
Sodium Hydroxide, 10% conc.	A
Sodium Hydroxide, 50% conc.	A
Sodium Hydroxide, conc.	A (Room temperature only)
Sodium Hypochlorite	A
Sodium Nitrate	A



PEEK Compatibility Chart

Sodium Nitrite	A (Room temperature only)
Sodium Peroxide	A
Sodium Salts	A (Room temperature only)
Sodium Silicate	A
Sodium Sulfate	A
Sodium Sulfide	A
Stannic Chloride	A
Stannous Chloride	A
Styrene (liquid)	A (Room temperature only)
Sulfites	A
Sulfur	A
Sulfur Chloride	A
Sulfur Dichloride	A
Sulfur Dioxide	A
Sulfuric Acid, >40%	B
Sulfurous Acid	A
Tannic Acid, 10% conc.	A
Tetrahydrofuran (THF)	B
Toluene	A (Room temperature only)
Vaseline	A (Room temperature only)
Water	A
Water (distilled)	A
Water (sea/salt)	A
Xylene	A (Room temperature only)
Zinc Chloride	A
Zinc Sulfate	A



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