

Information

Material Compatibility for Gases*

	Copper	Brass	Aluminum	Carbon Steel	Stainless Steel 316	Hastelloy C 22	Monel	PCTFE (Kel-F)	Buna-N	Nylon	Viton	Teflon PTFE	PEEK	VespeI
Acetylene	N												-	-
Ammonia	N	N									N		-	N
Argon														
Argon / Methane														
Arsine	N		N						-				-	-
Boron Trichloride	N	N	N	N					N	-	-		-	-
Boron Trifluoride	N	N	N	N					N	-	-		-	-
Hydrogen Bromide	N		N						N	-			-	-
n-Butane														
Chloride	N	N	N	N					N	N			-	
Hydrogen Chloride	N	N	N	N					N	N			-	
Deuterium														
Diborane									N					
Nitrous oxide														
Ethane														
Ethylene														
Fluorine		N		N	N	N			N	N	N		N	N
Hydrogen Fluoride	N	N	N	N	N				N	-	-		-	-
Helium														
Hexafluoro Ethane									-	N	-		-	-
Isobutane														

	Copper	Brass	Aluminum	Carbon Steel	Stainless Steel 316	Hastelloy C 22	Monel	PCTFE (Kel-F)	Buna-N	Nylon	Viton	Teflon PTFE	PEEK	Vespel
Isobutene														
Hydrogen Iodide	N	N	N	-	-	-	-	-	-	-	-	-	-	-
Carbon Dioxide														
Carbon Monoxide													-	-
Krypton														
Methane														
Methyl Chloride	-	-	N	-			-	-	N				-	-
Methyl Mercaptan	N					-	-		-	-	-		-	-
Methylamine	N	N				-	-			-	-		-	-
Neon														
Phosphine									-				-	-
Propane														
Propylene									N	-				
Oxygen														
Sulphur Dioxide							-	-	N		N		-	-
Sulphur Hexafluoride														
Hydrogen Sulphide	N	N	N				-	-	-	-		-	-	-
Silane									-				-	-
Nitrogen														
Nitrogen Dioxide	-			-		-			-	-	-		-	-
Nitrogen Trifluoride		-	-	-		-		-	-	-	-	-	-	-
Nitrogen Monoxide	N	N					N		-	-	-		-	-
Synthetic Air														
Tetrafluoro Methane									-				-	-
Trifluoro Methane R23									-	-	-		-	-
Hydrogen														
Xenon														

 useful

 not useful

 limited use

 insufficient data