



Chemical Compatibility Guide for: Tychem® BR Suits

NOTICE:

The guide on the following page(s) was provided by the supplier. New Pig Corporation assumes no responsibility, obligation, or liability in conjunction with the use or misuse of the information.

**For additional assistance, please contact New Pig Technical Services at
1-800-HOT-HOGS® (468-4647).**

100% Money-Back Guarantee

If you're not happy with a product, for any reason, we'll refund every penny of your purchase price. That means we'll refund all sales taxes, shipping costs, and any other incidentals - without tacking on a restocking fee or any other surprise charges. You get ALL your money back. Period.

One Pork Avenue, Tipton, PA 16684-0304 • 1-800-HOT HOGS® (468-4647) • Fax: 1-800-621-PIGS (7447)
Email: hothogs@newpig.com • Web: newpig.com

© New Pig Corporation. All rights reserved.

Chemical Name	Concentration	Breakthrough Time	Permeation Rate
	(%)	Normalized (min)	(ug/cm2/min)
1,1,2,2-TETRACHLOROETHANE	95+	>480	0.0005
1,1,2-TRICHLOROETHANE	95+	>480	<0.01
1,3-DICHLOROACETONE (40°C)	95+	>480	<0.1
1,4-DIOXANE	95+	>480	<0.05
1,6-HEXAMETHYLENEDIAMINE	95+	>480	<0.01
2,2,2-TRICHLOROETHANOL	95+	>480	<0.01
2,2,2-TRIFLUOROETHANOL	95+	>480	<0.001
2,3-DICHLOROPROPENE	95+	>480	<0.08
2-CHLOROETHANOL	95+	>480	<0.008
2-METHYLGLUTARONITRILE	87	>480	<0.1
2-PICOLINE	95+	46	48
3,4-DICHLOROANILINE	95+	284	2.4
3-PICOLINE	95+	11	22
4,4'METHYLENE BIS(2-CHLOROANILINE)	95+	>480	<0.1
ACETALDEHYDE	95+	>480	<0.01
ACETIC ACID	95+	339	1.3
ACETIC ANHYDRIDE	95+	>480	<0.001
ACETONE	95+	>480	<0.001
ACETONITRILE	95+	>480	<0.01
ACETYL CHLORIDE	95+	181	2
ACROLEIN	95+	>480	<0.02
ACRYLAMIDE	50% in water	>480	<0.1
ACRYLIC ACID	95+	270	1.6
ACRYLONITRILE	95+	>480	<0.0003
ADIPONITRILE	95+	>480	<0.1
ALLYL ALCOHOL	95+	>480	<0.1
ALLYL CHLORIDE	95+	>480	<0.06
AMMONIA GAS	95+	46	0.62
AMMONIUM FLUORIDE	40	>480	<0.01
AMMONIUM HYDROXIDE	28-30	160	4.7
AMYL ACETATE	95+	>480	<0.003
ANILINE	95+	>480	<0.1
ARSINE	95+	>480	<0.01
BENZENE SULFONYL CHLORIDE	95+	>480	<0.1
BENZIDINE	25% in Methanol	>480	<0.01
BENZONITRILE	95+	>480	<0.004
BENZONITRILE	95+	>480	<0.004
BENZOYL CHLORIDE	95+	>480	<0.05
BENZYL CHLORIDE	95+	>480	<0.01
BORON TRICHLORIDE	95+	>480	<0.02
BORON TRIFLUORIDE	95+	>480	<0.1

Chemical Name	Concentration	Breakthrough Time	Permeation Rate
BROMINE	95+	imm.	>50
BUTANOL N-	95+	>480	<0.002
BUTYL ETHER N-	95+	>480	0.001
BUTYLAMINE	95+	>480	<0.01
BUTYRALDEHYDE	95+	>480	<0.007
CARBON DISULFIDE	95+	>480	<0.001
CARBON MONOXIDE	95+	330	0.1
CARBON TETRACHLORIDE	95+	>480	<0.015
CELLOSOLVE SOLVENT	95+	>480	<0.008
CHLORDANE	95+	>480	<0.01
CHLORINE GAS	95+	>480	<0.01
CHLORINE TRIFLUORIDE	95+	45	96
CHLOROBENZENE	95+	>480	<0.001
CHLOROFORM	95+	>480	<0.004
CHLOROMETHYL METHYL ETHER	95+	>480	0.03
CHLOROPICRIN	95+	180	98
CRESOL, MIXED ISOMERS	95+	>480	<0.01
CRUDE OIL	95+	>480	<0.04
CUMENE	95+	>480	<0.001
CYCLOHEXANE	95+	>480	<0.03
CYCLOHEXANONE	95+	>480	<0.01
DI (2-ETHYLHEXYL) PHTHALATE	95+	>480	<0.07
DIBORANE	10	>480	<0.005
DICHLOROETHYL ETHER	95+	>480	<0.01
DICHLOROETHYL ETHER	95+	>480	<0.01
DICHLOROMETHANE	95+	432	0.06
DICHLOROPROPANE 1,2-	95+	>480	<0.01
DICHLOROSILANE	95+	>480	<0.1
DIESEL FUEL	95+	>480	<0.03
DIETHYLAMINE	95+	>480	<0.001
DIETHYLENETRIAMINE	95+	>480	<0.1
DIMETHYL ACETAMIDE N, N-	95+	>480	<0.006
DIMETHYL HYDRAZINE	95+	>480	<5.0
DIMETHYL SULFATE	95+	>480	<0.001
DIMETHYL SULFOXIDE	95+	>480	<0.003
DIMETHYLFORMAMIDE N,N-	95+	>480	<0.001
DINITRO-O-CRESOL	95+	>480	<0.013
DIPHENYLMETHANE DIISOCYANATE 4,4-	95+	>480	<0.07
d-LIMONENE	95+	>480	<0.01
EPICHLOROHYDRIN	95+	>480	<0.014
ETHANOLAMINE	95+	>480	<0.1
ETHYL ACETATE	95+	>480	<0.001

Chemical Name	Concentration	Breakthrough Time	Permeation Rate
ETHYL ACRYLATE	95+	14	91
ETHYL BENZENE	95+	>480	<0.001
ETHYL CELLOSOLVE ACETATE	95+	>480	<0.002
ETHYL ETHER	95+	>480	<0.001
ETHYL PARATHION	95+	>480	<0.01
ETHYLENE DIBROMIDE	95+	>480	<0.1
ETHYLENE DICHLORIDE	95+	>480	<0.002
ETHYLENE GLYCOL	95+	>480	<0.02
ETHYLENE OXIDE GAS	95+	>480	<0.01
ETHYLENE OXIDE LIQUID	95+	>480	<0.01
ETHYLENEIMINE	95+	59	0.56
FLUOROBENZENE	95+	>480	<0.1
FLUOROSULFONIC ACID	95+	>480	<0.1
FLUOSILICIC ACID	95+	>480	<0.1
FORMALDEHYDE SOLUTION	37	>480	<0.09
FORMIC ACID	95+	>480	<0.01
FURFURAL	95+	>480	<0.01
GASOLINE	95+	>480	ND
GASOLINE, UNLEADED	95+	>480	<0.001
GLUTARALDEHYDE	5	>480	<0.1
GLUTARALDEHYDE	50	>480	<0.1
GLYCOLIC ACID	sat. solution in water	>480	<0.1
HEXACHLOROBUTADIENE 1,3-	95+	>480	<0.01
HEXAFLUOROISOBUTYLENE	95+	>480	<0.01
HEXAMETHYLDISILAZANE	95+	>480	<0.02
HEXAMETHYLENE DIISOCYANATE	95+	>480	<0.01
HEXANE n-	95+	>480	<0.001
HYDRAZINE	95+	>480	<0.05
HYDRAZINE HYDRATE	85	440	0.06
HYDRIODIC ACID	57	>480	<0.1
HYDROBROMIC ACID	95+	>480	<0.1
HYDROCHLORIC ACID	37	>480	<0.02
HYDROFLUORIC ACID	50	>480	<0.02
HYDROFLUORIC ACID (90°C)	92 (90°C)	67*	2.8
HYDROGEN CHLORIDE	95+	>480	<0.1
HYDROGEN CYANIDE	95+	>480	<0.1
HYDROGEN CYANIDIE	95+	105	1.7
HYDROGEN FLUORIDE ANHYDROUS	95+	35	0.55
HYDROGEN FLUORIDE GAS	95+	135	6.7
HYDROGEN PEROXIDE	70	>480	<0.01
HYDROGEN SELENIDE	95+	>480	<0.01
HYDROGEN SULFIDE	95+	>480	<0.01

Chemical Name	Concentration	Breakthrough Time	Permeation Rate
ISOPROPYLAMINE	95+	>480	<0.01
JP-4	95+	>480	<0.002
JP-8 FUEL	95+	>480	<0.01
LEWISITE (L) CHEMICAL AGENT	95+	>720	<0.060
LINDANE	sat. sol. In Acetone	>480	<0.06
MALATHION	95+	>480	<0.1
MALATHION (50% in METHANOL)	50	>480	<0.01
m-CRESOL	55	>480	<0.09
MERCURIC CHLORIDE	sat.	>480*	<0.1
MERCURY	95+	>480	<0.0002
METHACRYLIC ACID	95+	>480	<0.01
METHANOL	95+	157	0.81
METHOMYL (LANNATE LV)	29	>480	<0.1
METHYL ACRYLATE	95+	>480	<0.01
METHYL BROMIDE	95+	>480	<0.01
METHYL CELLOSOLVE	95+	>480	<0.01
METHYL CELLOSOLVE	95+	>480	<0.01
METHYL CELLOSOLVE ACETATE	95+	>480	<0.01
METHYL CHLORIDE	95+	>480	<0.001
METHYL ETHYL KETONE	95+	>480	<0.007
METHYL ETHYL KETOXIME	95+	>480	<0.1
METHYL FLUORIDE	95+	>480	<0.02
METHYL HYDRAZINE	95+	>480	<0.01
METHYL IODIDE	95+	>480	<0.01
METHYL ISOCYANATE	95+	>480	<0.013
METHYL MERCAPTAN	95+	>480	<0.001
METHYL METHACRYLATE	95+	>480	<0.02
METHYL t-BUTYL ETHER	95+	>480	<0.007
METHYL TRICHLOROSILANE	95+	>480	<0.1
METHYLAMINE (GAS)	95+	105	40
METHYLAMINE (LIQUID)	40	261	1.8
METHYLAMINE (LIQUID)	50	232	2.2
METHYLENE DIANILINE	15	>480	<0.1
METHYLISOBUTYLKETONE	95+	>480	0.001
MINERAL SPIRITS	95+	>480	<0.01
MORPHOLINE	95+	>480	<0.1
MUSTARD (HD) CHEMICAL AGENT	95+	>720	<0.1000
N,N-DIMETHYLANILINE	95+	>480	<0.13
n-BUTYL ACETATE	95+	>480	<0.01
NERVE (VX) CHEMICAL AGENT	95+	>720	<0.0001
NICOTINE	95+	>480	<0.1
NITRIC ACID	70	>480	<0.1

Chemical Name	Concentration	Breakthrough Time	Permeation Rate
NITROBENZENE	95+	>480	<0.005
NITROGEN TETROXIDE	95+	90	>1.1
NITROGEN TETROXIDE (0°C)	95+	>480	0.001
NITROGEN TRIFLUORIDE	95+	>480	<0.014
NITROMETHANE	95+	>480	<0.01
NITROUS OXIDE	95+	>480	<0.018
N-METHYL PYRROLIDONE	95+	>480	<0.01
o-CHLOROTOLUENE	95+	>480	<0.0001
OCTANE	95+	>480	<0.01
OLEUM (40% free SO3)	40% free SO3	>480	<0.04
OXALIC ACID	sat.	>480	<0.1
PCB	50	>480	<0.001
p-CHLOROANILINE	95+	344	9.4
p-CHLOROPHENOL	sat. sol. In Methanol	>480	<0.013
PENTACHLOROPHENOL	95+	>480	<0.013
PERCHLORIC ACID	70	>480	<0.1
PHENOL	95+	>480	<0.03
PHOSGENE	95+	>480	<0.1
PHOSPHINE	95+	>480	<0.01
PHOSPHORIC ACID	85	>480	<0.1
PHOSPHOROUS OXYCHLORIDE	95+	>480	<0.1
PHOSPHOROUS TRICHLORIDE	95+	>480	<0.1
POTASSIUM HYDROXIDE	45 & 99	>480	<0.008
PROPYLENE OXIDE	95+	>480	<0.002
PYRIDINE	95+	>480	<0.01
SARIN (GB) CHEMICAL AGENT	95+	>720	<0.0001
SILANE	95+	>480	<0.1
SILICON TETRACHLORIDE	95+	>480	<0.1
SODIUM CYANIDE	95+	>480	<0.33
SODIUM HYDROSULFIDE	95+	51	18.4
SODIUM HYDROXIDE	50	>480	<0.1
SOMAN (GD) CHEMICAL AGENT	95+	>720	<0.0001
STODDARD SOLVENT	95+	>480	<0.001
STYRENE	95+	>480	<0.001
SULFUR DICHLORIDE	80	70	6
SULFUR DIOXIDE	95+	>480	<0.1
SULFUR HEXAFLUORIDE	95+	>480	<0.015
SULFUR MONOCHLORIDE	95+	>480	<0.01
SULFURIC ACID	95+	>480	<0.1
SULFURYL CHLORIDE	95+	>480	<0.1
TABUN (GA) CHEMICAL AGENT	95+	>720	<0.0001
TETRACHLOROETHYLENE 1,1,2,2-	95+	>480	<0.001

Chemical Name	Concentration	Breakthrough Time	Permeation Rate
TETRAETHYLLEAD	95+	>480	<0.01
TETRAFLUOROMETHANE	95+	>480	<0.0177
TETRAHYDROFURAN	95+	>480	<0.001
THIOGLYCOLIC ACID	95+	>480	<0.1
THIONYL CHLORIDE	95+	35	2500
TITANIUM TETRACHLORIDE	95+	>480	<0.1
TOLUENE	95+	>480	<0.004
TOLUENE 1,3-DIISOCYANATE	95+	>480	<0.01
TOLUENE DIISOCYANATE	95+	>480	<0.5
TOLUIDINE O-	95+	>480	<0.001
TRICHLOROETHANE 1,1,1-	95+	>480	<0.01
TRICHLOROETHYLENE	95+	>480	<0.022
TRICHLOROETHYLENE	95+	>480	<0.1
TRIETHYLAMINE	95+	>480	<0.1
TRIFLUOROMETHANE	95+	>480	<0.014
TRIMETHYLPHOSPHITE	95+	>480	<0.1
TUNGSTEN HEXAFLUORIDE	95+	>480	<0.026
VINYL CHLORIDE	95+	>480	<0.001
XYLENES	95+	>480	<0.004