



NT470 GR UL

DUPONT™ Tychem® NT470

Effective August 2021, all Tychem® Glove styles (including PVC, Nitrile, Neoprene, and Butyl) are discontinued. No substitutions are available.

Name	Description
Length	13 in (330 mm)
Thickness	15 mil (0.38 mm)
Liner	Unlined
Coating	Fully coated nitrile
Cuff Style	Gauntlet / Anatomical shape
Color/Grip	Green
Packaging	12 pairs per bag/12 bags per box: 144 total pairs

FEATURES & PRODUCT DETAILS

Tychem NT 470 is an unlined light polyvalent glove which provides chemical resistance against a broad range of solvents, oils, animal fats and other chemicals. 100% Nitrile Glove with a mechanical resistance and bisque finish grip that makes work easier and safer in wet environments.

- EN388: 2016 2001X - EN ISO 374-5:2016
- Food contact compatible
- UNLINED, NITRILE GAUNTLET WITH CHEMICAL RESISTANCE
- A thin, light glove with a 'second skin' feel
- Protects the hand from oils, hydrocarbons, grease and abrasion, with effective long lasting grip
- Impermeable for working in damp or greasy environments
- Surface provides better grip
- Chlorinated Does not contain silicones
- Virus protection pictogram visible on packaging for the productions as of 2021

TYPICAL INDUSTRIES

- Automotive
- Chemical
- Food
- Municipal services
- Oil and Gas
- Contract cleaning

APPLICATIONS

- Cleaning
- Chemical Handling (mixing/loading)
- Tank Filling
- Degreasing
- Maintenance

AVAILABLE OPTIONS

Product Name	Sizes	Full Part Number	Article Number
Tychem® NT470	10	NT4700GR100288UL	D15536307
Tychem® NT470	11	NT4700GR110288UL	D15536308
Tychem® NT470	6	NT4700GR060288UL	D15536303
Tychem® NT470	7	NT4700GR070288UL	D15536304
Tychem® NT470	8	NT4700GR080288UL	D15536305
Tychem® NT470	9	NT4700GR090288UL	D15536306

RECOMMENDATIONS FOR USE

- Store away from light and humidity
- Rinse gloves in running water before removing, using a neutral detergent if necessary
- Do not wear gloves when there is a risk of entanglement by moving parts of machines
- Potential allergens: carbamate
- Gloves should not be used around heat, open flame, sparks or in potentially flammable environments

SIZES

Product Size	Article Number	Additional info
6	D15536303	
7	D15536304	
8	D15536305	
9	D15536306	
10	D15536307	
11	D15536308	

PERMEATION DATA



Permeation is the process by which a solid, liquid or gaseous chemical moves through a protective clothing fabric at a molecular level. Permeation data assist in the selection of the most appropriate protective garment for a particular application and in the estimation of how long it can be safely worn. Standardised test methods are used to determine the resistance of DuPont materials to permeation, the results of which can be selected according to a specific chemical, chemical class or fabric.

Hazard / Chemical Name	Physical State	CAS	BT 0.1	ASTM F1383 Intermittent Contact NBTT	Degradation Over Time			
					5 Min	30 Min	60 Min	240 Min
1,3-Propanediamine, N,N'-Dimethyl	Liquid	109-55-7	75		NT	NT	NT	NT
2-(2-Butoxyethoxy) ethanol	Liquid	112-34-5	>480					
3-Dimethylaminopropylamine	Liquid	100-52-7	imm		F	NR	NR	NR
Acetaldehyde	Liquid	75-07-0	imm					
Acetic acid (84%)	Liquid	64-19-7	240					
Acetic acid ethenyl ester	Liquid	108-05-4	20					
Acetic acid ethyl ester	Liquid	141-78-6	30					
Acetic acid pentyl ester	Liquid	628-63-7	77					
Acetone	Liquid	67-64-1	imm					
Acetonitrile	Liquid	75-05-8	imm					
Acetoxyacetyl Chloride	Liquid	13831-31-7	150		E	G	F	F
Acrylamide (50%)	Liquid	79-06-1	>480					
Acrylic acid n-butyl ester	Liquid	141-32-2	65					
Acrylicamide (50%)	Liquid	79-06-1	>480					
Acrylonitrile	Liquid	107-13-1	imm					
Allyl alcohol	Liquid	107-18-6	63					
Amino benzene	Liquid	62-53-3	imm					
Amino ethanol, 2-	Liquid	141-43-5	>480					
Ammonia (gaseous)	Vapor	7664-41-7	336					
Ammonium hydroxide (28% - 30%)	Liquid	1336-21-6	240					
Amyl acetate, n-	Liquid	628-63-7	77					
Amyl alcohol	Liquid	71-41-0	>480					
Amyl ester acetic acid	Liquid	628-63-7	77					
Aniline	Liquid	62-53-3	imm					
Aqua regia	Liquid	8007-56-5	>480		E	E	E	E
Benzaldehyde	Liquid	100-52-7	imm		F	NR	NR	NR
Benzenamine	Liquid	62-53-3	imm					
Benzene	Liquid	71-43-2	16					
Benzyl alcohol	Liquid	100-51-6	>480					
Bromoethyl Acetate, 2-	Liquid	927-68-4	51		E	NR	NR	NR

Hazard / Chemical Name	Physical State	CAS	BT 0.1	ASTM F1383 Intermittent Contact NBTT .	Degradation Over Time			
					5 Min	30 Min	60 Min	240 Min
Bromoform	Liquid	75-25-2	imm		G	NR	NR	NR
Butadiene, 1,3- (gaseous)	Vapor	106-99-0	>480					
Butanol, 1-	Liquid	71-36-3	>480					
Butanol, n-	Liquid	71-36-3	>480					
Butanone	Liquid	78-93-3	imm					
Butanone oxime, 2-	Liquid	96-29-7	>480					
Butoxy ethanol, 2-	Liquid	111-76-2	>480					
Butoxytriglycol	Liquid	143-22-6	>480		E	E	G	G
Butyl Cellosolve Acetate	Liquid	112-07-2	>480		E	E	E	E
Butyl Dipropasol Solvent	Liquid	29911-28-2	>480		E	E	E	E
Butyl acetate, n-	Liquid	123-86-4	78					
Butyl acrylate, n-	Liquid	141-32-2	65					
Butyl alcohol, n-	Liquid	71-36-3	>480					
Butyl amine	Liquid	109-73-9	imm					
Carbon disulfide	Liquid	75-15-0	imm					
Carbon tetrachloride	Liquid	56-23-5	>480					
Caustic ammonia (28% - 30%)	Liquid	1336-21-6	240					
Caustic soda (50%)	Liquid	1310-73-2	>480					
Chlorine (gaseous)	Vapor	7782-50-5	>480					
Chloro 2,3-epoxy propane, 1-	Liquid	106-89-8	imm					
Chloro benzene	Liquid	108-90-7	imm					
Chloro ethene	Vapor	75-01-4	>480					
Chloro form	Liquid	67-66-3	imm					
Citric acid (30%)	Liquid	77-92-9	>480					
Citrus Terpenes Mixture	Liquid	68956-56-9	>480		E	E	E	E
Cresols, mixed isomers	Liquid	1319-77-3	imm					
Cresylic acid	Liquid	1319-77-3	imm					
Cumene	Liquid	98-82-8	30		G	F	NR	NR
Cyanoethylene	Liquid	107-13-1	imm					
Cyanomethane	Liquid	75-05-8	imm					

Hazard / Chemical Name	Physical State	CAS	BT 0.1	ASTM F1383 Intermittent Contact NBTT .	Degradation Over Time			
					5 Min	30 Min	60 Min	240 Min
Cyclo hexane	Liquid	110-82-7	>480					
Cyclo hexanone	Liquid	108-94-1	60					
Cyclohexanol	Liquid	108-93-0	>480		E	E	E	E
Di Isobutyl Ketone	Liquid	108-83-8	>480		E	E	E	E
Diacetone Alcohol	Liquid	123-42-2	30		E	E	E	G
Diaminodiphenylmethane, 4,4'- (190 °C, liquid)	Liquid	101-77-9	imm					
Diaminoethane, 1,2-	Liquid	107-15-3	>480					
Dibutyl 1,2-benzenedicarboxylate	Liquid	84-74-2	>480		E	E	E	E
Dibutyl phthalate	Liquid	84-74-2	>480		E	E	E	E
Dichlorbenzen, 1,2-	Liquid	95-50-1	imm					
Dichlorethane, 1.2.-	Liquid	107-06-2	imm					
Dichloro ethylene, 1,1-	Liquid	75-35-4	imm					
Dichloro methane	Liquid	75-09-2	imm					
Dichloropentane	Liquid	628-76-2	36		NT	NT	NT	NT
Diethanolamine	Liquid	111-42-2	>480					
Diethyl amine	Liquid	109-89-7	60					
Diethyl ether	Liquid	60-29-7	33					
Diethylene Glycol	Liquid	111-46-6	>480		E	E	E	E
Diethylene Glycol Monomethyl Ether	Liquid	111-77-3	>480		E	E	E	E
Diethylene Glycol Monopropyl Ether	Liquid	6881-94-3	>480		E	E	E	E
Diethylene glycol monobutyl ether	Liquid	112-34-5	>480					
Diethylene imide oxide	Liquid	110-91-8	imm					
Dimethyl Methyl Phosphonate	Liquid	756-79-6	130		NT	NT	NT	NT
Dimethyl acetamide, N,N-	Liquid	127-19-5	imm					
Dimethyl amine (40%)	Liquid	124-40-3	>480					
Dimethyl formamide, N,N-	Liquid	68-12-2	imm					
Dimethyl ketal	Liquid	67-64-1	imm					
Dimethyl ketone	Liquid	67-64-1	imm					
Dimethyl sulfata	Liquid	77-78-1	15					
Dimethyl sulfoxide	Liquid	67-68-5	>480					

Hazard / Chemical Name	Physical State	CAS	BT 0.1	ASTM F1383 Intermittent Contact NBTT .	Degradation Over Time.			
					5 Min	30 Min	60 Min	240 Min
Dimethyl-4-Heptanone, 2,6-	Liquid	108-83-8	>480		E	E	E	E
Diphenyl methane diisocyanate, 4,4'- (50 °C, molten)	Liquid	101-68-8	>480					
Divinyl Benzene	Liquid	1321-74-0	165		E	E	G	NR
Dowtherm, Biphenyl (27%)	Liquid	92-52-4	>480		E	E	E	F
Epichlorohydrin	Liquid	106-89-8	imm					
Epoxy ethane (gaseous)	Vapor	75-21-8	17					
Epoxy propane, 1,2-	Liquid	75-56-9	imm					
Ethane 1,2-diol	Liquid	107-21-1	>480					
Ethane nitrile	Liquid	75-05-8	imm					
Ethanol	Liquid	64-17-5	225					
Ethanol amine	Liquid	141-43-5	>480					
Ethoxytriglycol	Liquid	112-50-5	>480		E	E	E	E
Ethyl Butanol	Liquid	97-95-0	>480		E	E	E	E
Ethyl acetate	Liquid	141-78-6	30					
Ethyl alcohol	Liquid	64-17-5	225					
Ethyl benzene	Liquid	100-41-4	43					
Ethyl ethanamine, N-	Liquid	109-89-7	60					
Ethyl ether	Liquid	60-29-7	33					
Ethyl nitrile	Liquid	75-05-8	imm					
Ethylene Glycol Monohexyl Ether	Liquid	112-25-4	>480		E	E	E	E
Ethylene diamine	Liquid	107-15-3	>480					
Ethylene dichloride	Liquid	107-06-2	imm					
Ethylene glycol	Liquid	107-21-1	>480					
Ethylene glycol monobutyl ether	Liquid	111-76-2	>480					
Ethylene oxide (gaseous)	Vapor	75-21-8	17					
Ethylene tetrachloride	Liquid	127-18-4	>480					
Ethylene trichloride	Liquid	79-01-6	imm					
Fluoroboric acid (48-50%)	Liquid	16872-11-0	>480					
Formalin (37% (10-15% Methanol))	Liquid	50-00-0	>480					
Formic acid (90%)	Liquid	64-18-6	75					

Hazard / Chemical Name	Physical State	CAS	BT 0.1	ASTM F1383 Intermittent Contact NBTT .	Degradation Over Time			
					5 Min	30 Min	60 Min	240 Min
Furaldehyde, 2-	Liquid	98-01-1	imm					
Furfural	Liquid	98-01-1	imm					
Glutaral (50%)	Liquid	111-30-8	>480					
Glutaraldehyde (50%)	Liquid	111-30-8	>480					
Glycol alcohol	Liquid	107-21-1	>480					
Heptane	Liquid	142-82-5	>480					
Hexalin	Liquid	108-93-0	>480		E	E	E	E
Hexane, n-	Liquid	110-54-3	>480					
Hexanone	Liquid	108-94-1	60					
Hexene	Liquid	592-41-6	>480		E	E	E	E
Hexone	Liquid	108-10-1	imm					
Hexyl Carbitol Solvent	Liquid	112-59-4	>480		E	E	E	E
Hydrazine (85%)	Liquid	302-01-2	>480					
Hydrochloric acid (10%)	Liquid	7647-01-0	>480					
Hydrochloric acid (37%)	Liquid	7647-01-0	>480					
Hydrofluoric acid (48-51%)	Liquid	7664-39-3	60					
Hydrogen chloride (gaseous)	Vapor	7647-01-0	433					
Hydrogen fluoride (20-27 °C, gaseous)	Vapor	7664-39-3	imm					
Hydrogen peroxide (30%)	Liquid	7722-84-1	>480					
Hydroxy 1,2,3-propanetricarboxylic acid, 2-(30%)	Liquid	77-92-9	>480					
Hydroxy propene	Liquid	107-18-6	63					
Hydroxy toluene	Liquid	100-51-6	>480					
Iodomethane	Liquid	74-88-4	imm					
Iso Amyl Acetate	Liquid	123-92-2	227		E	E	E	G
Isoamyl alcohol	Liquid	123-51-3	>480					
Isobutanol	Liquid	78-83-1	>480		E	E	E	E
Isobutyl methyl ketone	Liquid	108-10-1	imm					
Isopropanol	Liquid	67-63-0	>480					
Isopropyl Acetate	Liquid	108-21-4	68		E	E	G	P
Isopropyl alcohol	Liquid	67-63-0	>480					

Hazard / Chemical Name	Physical State	CAS	BT 0.1	ASTM F1383 Intermittent Contact NBTT	Degradation Over Time			
					5 Min	30 Min	60 Min	240 Min
Isopropyl benzene	Liquid	98-82-8	30		G	F	NR	NR
Kerosene	Liquid	8008-20-6	>480					
Ketone propane	Liquid	67-64-1	imm					
Lactic Acid (85%)	Liquid	50-21-5	>480		E	E	E	E
Limonene d-	Liquid	5989-27-5	>480					
Low boiling point naphtha - unspecified	Liquid	8052-41-3	>480					
MEK	Liquid	78-93-3	imm					
Methanol	Liquid	67-56-1	28					
Methoxy 2-methylpropane, 2-	Liquid	1634-04-4	211					
Methoxytriglycol	Liquid	112-35-6	>480		E	E	E	G
Methyl 2-methyl-2-propenoate	Liquid	80-62-6	imm					
Methyl 2-pyrrolidon, N-	Liquid	872-50-4	34					
Methyl 4-isopropenyl-1-cyclohexene, 1-	Liquid	5989-27-5	>480					
Methyl Acetate	Liquid	79-20-9	12		G	NR	NR	NR
Methyl Isobutyl Ketoxime	Liquid	105-44-2	>480		NT	NT	NT	NT
Methyl Phenyl Ketone	Liquid	98-86-2	imm		G	NR	NR	NR
Methyl Propyl Ketone	Liquid	107-87-9	14		F	NR	NR	NR
Methyl acetyl	Liquid	67-64-1	imm					
Methyl amine (40%)	Liquid	74-89-5	>480					
Methyl aniline, o-	Liquid	95-53-4	imm					
Methyl benzol	Liquid	108-88-3	26					
Methyl butan-1-ol, 3-	Liquid	123-51-3	>480					
Methyl chloride (gaseous)	Vapor	74-87-3	>480					
Methyl chloroform	Liquid	71-55-6	49					
Methyl cyanide	Liquid	75-05-8	imm					
Methyl ethyl ketone	Liquid	78-93-3	imm					
Methyl ethyl ketoxime	Liquid	96-29-7	>480					
Methyl iodide	Liquid	74-88-4	imm					
Methyl ketone	Liquid	67-64-1	imm					
Methyl methacrylate	Liquid	80-62-6	imm					

Hazard / Chemical Name	Physical State	CAS	BT 0.1	ASTM F1383 Intermittent Contact NBTT	Degradation Over Time			
					5 Min	30 Min	60 Min	240 Min
Methyl pentan-2-one, 4-	Liquid	108-10-1	imm					
Methyl phenols	Liquid	1319-77-3	imm					
Methyl tert-butyl ether	Liquid	1634-04-4	211					
Methyl trichloromethane	Liquid	71-55-6	49					
Methylene chloride	Liquid	75-09-2	imm					
Methylene dianiline (190 °C, liquid)	Liquid	101-77-9	imm					
Methylene diphenyl diisocyanate, 4,4'- (50 °C, molten)	Liquid	101-68-8	>480					
Mineral spirit	Liquid	64475-85-0	>480					
Morpholine	Liquid	110-91-8	imm					
Naphtha	Liquid	8032-32-4	>480		E	E	E	E
Nitric acid (23%)	Liquid	7697-37-2	>480					
Nitric acid (70%)	Liquid	7697-37-2	imm					
Nitric/Hydrofluoric Pickling Solution (50%)	Liquid	97697-37-4	>480		E	E	G	G
Nitro benzene	Liquid	98-95-3	52					
Nitro methane	Liquid	75-52-5	imm					
Nitro propane, 2-	Liquid	79-46-9	imm					
Nitrohydrochloric Acid	Liquid	8007-56-5	>480		E	E	E	E
Octanol, n-	Liquid	111-87-5	>480		E	E	E	E
Oleic Acid	Liquid	112-80-1	>480		E	E	E	E
P-Tert Butyl Toluene	Liquid	98-51-1	>480		E	E	E	E
PCB 1254 (95%)	Liquid	11097-69-1	>480					
Pentachlorophenol (5% in Kerosene)	Liquid	87-86-5	>480					
Pentane	Liquid	109-66-0	>480		E	E	E	E
Pentanedial, 1,5- (50%)	Liquid	111-30-8	>480					
Pentanol, 1-	Liquid	71-41-0	>480					
Pentyl acetate	Liquid	628-63-7	77					
Phenethylene	Liquid	100-42-5	imm					
Phenol (89%)	Liquid	108-95-2	imm		F	NR	NR	NR
Phenyl amine	Liquid	62-53-3	imm					
Phenyl chloride	Liquid	108-90-7	imm					

Hazard / Chemical Name	Physical State	CAS	BT 0.1	ASTM F1383 Intermittent Contact NBTT .	Degradation Over Time			
					5 Min	30 Min	60 Min	240 Min
Phenyl ethane	Liquid	100-41-4	43					
Phenyl propane, 2-	Liquid	98-82-8	30		G	F	NR	NR
Phosphoric acid (85%)	Liquid	7664-38-2	>480					
Pimelic ketone	Liquid	108-94-1	60					
Potassium hydroxide (45%)	Liquid	1310-58-3	>480					
Propan -1-ol	Liquid	71-23-8	>480		E	E	E	E
Propan -2-ol	Liquid	67-63-0	>480					
Propan -2-one	Liquid	67-64-1	imm					
Propanol, 1-	Liquid	71-23-8	>480		E	E	E	E
Propanol, n-	Liquid	71-23-8	>480		E	E	E	E
Propen 1-ol, 2-	Liquid	107-18-6	63					
Propenamide (50%)	Liquid	79-06-1	>480					
Propenenitrile, 2-	Liquid	107-13-1	imm					
Propenoic acid butyl ester, 2-	Liquid	141-32-2	65					
Propenoic acid nitrile	Liquid	107-13-1	imm					
Propoxypropanol	Liquid	1569-01-3	>480		E	E	E	E
Propyl Acetate	Liquid	109-60-4	imm		E	F	P	NR
Propyl Cellosolve, n-	Liquid	2807-30-9	391		E	E	E	F
Propyl alcohol	Liquid	71-23-8	>480		E	E	E	E
Propylene Glycol	Liquid	57-55-6	>480		E	E	E	E
Propylene oxide, 1,2-	Liquid	75-56-9	imm					
Pyroacetic ether	Liquid	67-64-1	imm					
Refrigerant 141B	Liquid	1717-00-6	34		E	E	G	P
Safrotin	Liquid	31218-83-4	>480		E	E	E	E
Sodium hydroxide (50%)	Liquid	1310-73-2	>480					
Sodium hypochlorite (4-6%)	Liquid	7681-52-9	>480					
Spiritus	Liquid	64-17-5	225					
Stoddard solvent	Liquid	8052-41-3	>480					
Styrene	Liquid	100-42-5	imm					
Sulfuric acid (47%)	Liquid	7664-93-9	>480					

Hazard / Chemical Name	Physical State	CAS	BT 0.1	ASTM F1383 Intermittent Contact NBTT .	Degradation Over Time			
					5 Min	30 Min	60 Min	240 Min
Sulfuric acid (>95%)	Liquid	7664-93-9	180					
Sulfuric acid dimethyl ester	Liquid	77-78-1	15					
Tetrachloro ethylene, 1,1,2,2-	Liquid	127-18-4	>480					
Tetrachloro methane	Liquid	56-23-5	>480					
Tetrahydrofuran	Liquid	109-99-9	imm					
Toluene	Liquid	108-88-3	26					
Toluene diisocyanate, 2,4-	Liquid	584-84-9	299					
Toluidine, o-	Liquid	95-53-4	imm					
Trichloro 1,2,2-trifluoroethane, 1,1,2-	Liquid	76-13-1	>480					
Trichloro benzene, 1,2,4-	Liquid	120-82-1	100					
Trichloro ethane, 1,1,1-	Liquid	71-55-6	49					
Trichloro ethylene	Liquid	79-01-6	imm					
Trichloro methane	Liquid	67-66-3	imm					
Triethanolamine	Liquid	102-71-6	>480		E	E	E	E
Triethyl Phosphate	Liquid	78-40-0	131		NT	NT	NT	NT
Turpentine	Liquid	8006-64-2	>480		E	E	E	E
Urethane Catalyst Alkanol	Liquid	83016-70-0	165		NT	NT	NT	NT
Vinyl Pyrrolidinone	Liquid	88-12-0	imm		NR	NR	NR	NR
Vinyl acetate	Liquid	108-05-4	20					
Vinyl benzol	Liquid	100-42-5	imm					
Vinyl carbinol	Liquid	107-18-6	63					
Vinyl chloride	Vapor	75-01-4	>480					
Vinyl cyanide	Liquid	107-13-1	imm					
Vinyl ethylene (gaseous)	Vapor	106-99-0	>480					
Vinylidene chloride	Liquid	75-35-4	imm					
Xylene, mixed isomers	Liquid	1330-20-7	41					

BTAct (Actual) Breakthrough time at MDPR [mins] BT0.1 Normalized breakthrough time at 0.1 µg/cm²/min [mins] BT1.0
 Normalized breakthrough time at 1.0 µg/cm²/min [mins] EN Classification according to EN 14325 SSPR Steady state
 permeation rate [µg/cm²/min] MDPR Minimum detectable permeation rate [µg/cm²/min] CUM480 Cumulative
 permeation mass after 480 mins [µg/cm²] Time150 Time to reach cumulative permeation mass of 150 µg/cm² [mins]
 ISO Classification according to ISO 16602 CAS Chemical abstracts service registry number min Minute > Larger than

< Smaller than imm Immediate (< 10 min) nm Not tested sat Saturated solution N/A Not Applicable na Not attained GPR grade General purpose reagent grade * Based on lowest single value 8 Actual breakthrough time; normalized breakthrough time is not available DOT5 Degradation after 5 min DOT30 Degradation after 30 min DOT60 Degradation after 60 min DOT240 Degradation after 240 min BT1383 Normalized breakthrough time at 0.1 µg /cm²/min [mins] acc. ASTM F1383

Important Note.