



QC00990YLNL

DuPont™ Tychem® 2000 Tape

DuPont™ Tychem® 2000 Tape. Chemical barrier tape, Cat. I certified. Tested against 95 chemicals. Width 48 mm, length 50 m. Yellow.

Name	Description
Full Part Number	QC00990YLNL
Fabric/Materials	Tychem® 2000
Design	Tape
Color	Yellow
Sizes	One size
Quantity/Box	12 rolls per case

FEATURES & PRODUCT DETAILS

DuPont™ Tychem® 2000 Tape – Flexible, Chemical Protective Tape A chemical tape with Tychem® 2000 level of protection and secure adhesion to improve the safety level of PPE. It is typically used as a connection between Tychem® gloves and Tychem®, Tyvek® or ProShield® protective garments of Category III. It can further be used to tape the hood of a Category III protective garment to the mask, the ankles to the boots, and the zipper flap.

- Certified according to Regulation (EU) 2016/425
- PPE Category I
- Chemical protection against inorganic acids and bases
- Permeation data available for 95 chemicals, allowing comparison and match between the protection level of the chemical protective garment and the chemical glove
- High elongation for better and smoother seal
- Optimum level of elasticity and adhesion
- Can be used with Type 3, 4, 5, 6 garments in less demanding chemical exposures

SIZES

Product Size	Article Number	Additional info
One size	D15542741	

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 Act	BT 0.1	BT 1.0	EN	SSPR	MDPR	Cum 480	Time 150	ISO
Acetic acid (>95%)	Liquid	64-19-7	imm	imm	imm		3	0.05 ppm			
Acetic acid ethyl ester	Liquid	141-78-6	imm	imm	imm		12.7	0.11 ppm			
Acetone	Liquid	67-64-1	imm	imm	imm		5.9				
Acetonitrile	Liquid	75-05-8	imm	imm	imm		9.4	0.13 ppm			
Acroleic acid	Liquid	79-10-7	imm	imm	imm		5.4	0.2			
Acrylic acid	Liquid	79-10-7	imm	imm	imm		5.4	0.2			
Acrylonitrile	Liquid	107-13-1	imm	imm	imm		10.6	0.005			
Amido sulfonic acid (15%)	Liquid	5329-14-6	>480	>480	>480	6	<0.05	0.05	<24	>480	6
Amino benzene	Liquid	62-53-3	imm	imm	imm		2.1	0.14			
Ammonia (gaseous)	Vapor	7664-41-7	imm	imm	imm		3.1	0.001			
Ammonium hydroxide (28% - 30%)	Liquid	1336-21-6	imm	imm	imm		62	0.035			
Aniline	Liquid	62-53-3	imm	imm	imm		2.1	0.14			
Benzenamine	Liquid	62-53-3	imm	imm	imm		2.1	0.14			
Black Liquor (mix)	Liquid	mix	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Bromine	Liquid	7726-95-6	imm	imm	imm		>50	0.0064			
Butadiene, 1,3- (gaseous)	Vapor	106-99-0	imm	imm	imm		>12	0.001			
Butanal, n-	Liquid	123-72-8	imm	imm	imm		22	0.0063			
Butanol, 1-	Liquid	71-36-3	imm	imm	imm		1.6	0.057 ppm			
Butanol, n-	Liquid	71-36-3	imm	imm	imm		1.6	0.057 ppm			
Butyl alcohol, n-	Liquid	71-36-3	imm	imm	imm		1.6	0.057 ppm			
Butyraldehyde, n-	Liquid	123-72-8	imm	imm	imm		22	0.0063			
Carbon disulfide	Liquid	75-15-0	imm	imm	imm		4367	0.0057 ppm			
Carmustine (3.3 mg/ml, 10 % Ethanol)	Liquid	154-93-8	49* /129	>240	>240	5	0.012	<0.01		>240	5
Caustic ammonia (28% - 30%)	Liquid	1336-21-6	imm	imm	imm		62	0.035			
Caustic soda (50%)	Liquid	1310-73-2	>480	>480	>480	6	<0.016	0.016	<7.7	>480	6
Chlorine (20 ppm)	Vapor	7782-50-5		>480 ⁸							
Chlorine (gaseous)	Vapor	7782-50-5	imm	imm	imm		>50	0.2			
Chloro 2-nitrobenzene, 1-	Solid	88-73-3	15	15	15	1	4.1	0.1			
Chloro acetic acid (80%)	Liquid	79-11-8	>480	>480	>480	6	0.038	0.038	<18.3	>480	6
Chloro ethanol, 2-	Liquid	107-07-3	imm	imm	imm		3.1	0.06 ppm			

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Chloro form	Liquid	67-66-3	imm	imm	imm		348	1 ppm			
Cresol o-	Liquid	95-48-7	12	13	20	1	15.3	0.0174			
Cresols, mixed isomers	Liquid	1319-77-3	70	71	77	3	11.7	0.0169			
Cresylic acid	Liquid	1319-77-3	70	71	77	3	11.7	0.0169			
Cyanoethylene	Liquid	107-13-1	imm	imm	imm		10.6	0.005			
Cyanomethane	Liquid	75-05-8	imm	imm	imm		9.4	0.13 ppm			
Cyclo phosphamide (20 mg/ml)	Liquid	50-18-0	>240	>240	>240	5	<0.01	<0.01		>240	5
Diaminoethane, 1,2-	Liquid	107-15-3	25	>480	>480	6	0.004	0.005			
Dichloro methane	Liquid	75-09-2	imm	imm	imm		>50	0.001			
Diesel automotive test fuel	Liquid	mix	imm	imm			3.29	0.01			
Diethyl amine	Liquid	109-89-7	imm	imm	imm		64.3	0.017 ppm			
Dimethyl acetamide, N,N- (8%)	Liquid	127-19-5	>480	>480	>480	6	<0.005	0.005	<2.4	>480	6
Dimethyl formamide, N,N-	Liquid	68-12-2	imm	imm	>480	6	0.73	0.001			
Dimethyl ketal	Liquid	67-64-1	imm	imm	imm		5.9				
Dimethyl ketone	Liquid	67-64-1	imm	imm	imm		5.9				
Diphenyl methane diisocyanate, 4,4'- (50 ° C, molten)	Liquid	101-68-8	>480	>480	>480	6	<0.0403	0.0403	<19.3	>480	6
Disodium sulfide (60% (slurry))	Liquid	1313-82-2		>480	>480	6	<0.1	0.052			
Doxorubicin HCl (2 mg/ml)	Liquid	25136-40-9	>240	>240	>240	5	<0.01	<0.01		>240	5
DuPont Activator 193S (mix)	Liquid	mix	>480	>480	>480	6	<0.1	0.1	<48	>480	6
DuPont Activator 4505S (mix)	Liquid	mix	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
DuPont Activator 4507S (mix)	Liquid	mix	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Epoxy ethane (gaseous)	Vapor	75-21-8	imm	imm	imm		170	0.02			
Ethane 1,2-diol	Liquid	107-21-1	>480	>480	>480	6	<0.05	0.05	<24	>480	6
Ethane nitrile	Liquid	75-05-8	imm	imm	imm		9.4	0.13 ppm			
Ethyl acetate	Liquid	141-78-6	imm	imm	imm		12.7	0.11 ppm			
Ethyl ethanamine, N-	Liquid	109-89-7	imm	imm	imm		64.3	0.017 ppm			
Ethyl nitrile	Liquid	75-05-8	imm	imm	imm		9.4	0.13 ppm			
Ethylene carboxylic acid	Liquid	79-10-7	imm	imm	imm		5.4	0.2			
Ethylene chlorohydrin	Liquid	107-07-3	imm	imm	imm		3.1	0.06 ppm			
Ethylene diamine	Liquid	107-15-3	25	>480	>480	6	0.004	0.005			

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Ethylene glycol	Liquid	107-21-1	>480	>480	>480	6	<0.05	0.05	<24	>480	6
Ethylene oxide (gaseous)	Vapor	75-21-8	imm	imm	imm		170	0.02			
Ethylene tetrachloride	Liquid	127-18-4	imm	imm	imm		>400	0.11 ppm			
Etoposide (Toposar®, Teva) (20 mg/ml, 33.2 % (v/v) Ethanol)	Liquid	33419-42-0	>240	>240	>240	5	<0.01	<0.01		>240	5
Fluorouracil, 5- (50 mg/ml)	Liquid	51-21-8	>240	>240	>240	5	<0.01	<0.01		>240	5
Formalin (3.7%, 1-1.5% Methanol)	Liquid	50-00-0	>480	>480	>480	6	<0.0048	0.0048	<2.3	>480	6
Formalin (37% (10-15% Methanol))	Liquid	50-00-0	imm	imm	>480	6	0.84	0.0048			
Fuel-oil no 2	Liquid	68476-30-2	imm	imm	imm		1.776	0.01			
Glutaral (5%)	Liquid	111-30-8	>480	>480	>480	6	<0.005	0.005	<48	>480	6
Glutaraldehyde (5%)	Liquid	111-30-8	>480	>480	>480	6	<0.005	0.005	<48	>480	6
Glycol alcohol	Liquid	107-21-1	>480	>480	>480	6	<0.05	0.05	<24	>480	6
Glycol chlorohydrin	Liquid	107-07-3	imm	imm	imm		3.1	0.06 ppm			
Green Liquor (mix)	Liquid	mix	>480	>480	>480	6	<0.1	0.1	<48	>480	6
Hexamethylene diisocyanate	Liquid	822-06-0	>480	>480	>480	6	<0.0271	0.0271	<13.0	>480	6
Hexane, n-	Liquid	110-54-3	imm	imm	imm		407	0.035 ppm			
Hydrochloric acid (37%)	Liquid	7647-01-0	65	140	450	5	0.746	0.01			
Hydrofluoric acid (48-51%)	Liquid	7664-39-3	166*/200	446	>480	6	<0.12	0.025	9.3	>480	6
Hydrogen chloride (gaseous)	Vapor	7647-01-0	imm	imm	imm						
Hydrogen fluoride (20-27 °C, gaseous)	Vapor	7664-39-3	imm	imm			6	0.2 ppm			
Hydrogen peroxide (30%)	Liquid	7722-84-1	>480	>480	>480	6	<0.025	0.025	<12	>480	6
Hydrogen peroxide (50%)	Liquid	7722-84-1	>480	>480	>480	6	<0.001	0.001	<0.48	>480	6
Hydrogen peroxide (70%)	Liquid	7722-84-1	>480	>480	>480	6	<0.025	0.025	<12	>480	6
Hydroxy toluene, o-	Liquid	95-48-7	12	13	20	1	15.3	0.0174			
Isopropanol	Liquid	67-63-0	imm	imm	imm		8	0.04			
Isopropanol (70%)	Liquid	67-63-0	imm	imm	imm		6.3	0.0097			
Isopropyl alcohol	Liquid	67-63-0	imm	imm	imm		8	0.04			
Isopropyl alcohol (70%)	Liquid	67-63-0	imm	imm	imm		6.3	0.0097			
Ketone propane	Liquid	67-64-1	imm	imm	imm		5.9				
Limonene d-	Liquid	5989-27-5	imm	imm	imm		29.8	0.02			
Lithium chloride (20%)	Liquid	7447-41-8	>480	>480	>480	6	<0.025	0.025	<12	>480	6

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Lithium hydroxide (14.9%)	Liquid	1310-65-2	>480	>480	>480	6	<0.05	0.05	<24	>480	6
Mercury	Liquid	7439-97-6	>480	>480	>480	6	<0.09	0.09	<43.2	>480	6
Methanol	Liquid	67-56-1	imm	imm	imm		358.7	0.92 ppm			
Methyl 4-isopropenyl-1-cyclohexene, 1-	Liquid	5989-27-5	imm	imm	imm		29.8	0.02			
Methyl acetyl	Liquid	67-64-1	imm	imm	imm		5.9				
Methyl benzol	Liquid	108-88-3	imm	imm	imm			0.04			
Methyl chloride (gaseous)	Vapor	74-87-3	imm	imm	>480	6	0.23	0.001			
Methyl cyanide	Liquid	75-05-8	imm	imm	imm		9.4	0.13 ppm			
Methyl ketone	Liquid	67-64-1	imm	imm	imm		5.9				
Methyl phenols	Liquid	1319-77-3	70	71	77	3	11.7	0.0169			
Methyl salicylate	Liquid	119-36-8	<15	<15	>480	6	0.5	0.01			
Methylene chloride	Liquid	75-09-2	imm	imm	imm		>50	0.001			
Methylene diphenyl diisocyanate, 4,4' (50 ° C, molten)	Liquid	101-68-8	>480	>480	>480	6	<0.0403	0.0403	<19.3	>480	6
Mineral spirit	Liquid	64475-85-0	imm	imm	imm						
Nitric acid (70%)	Liquid	7697-37-2	465	>480	>480	6	<0.025	0.025	<0.4	>480	6
Nitro benzene	Liquid	98-95-3	imm	imm	imm		17.7	0.001			
Nitro chlorobenzene, p-	Solid	100-00-5	imm	imm	imm		2.3	0.1			
Nitro toluene, p-	Solid	99-99-0	imm	imm	imm		14	0.1			
Oleum (103% (13% free SO3))	Liquid	8014-95-7	220	230	430	5	1.13	0.03			
Oleum (20% free SO3)	Liquid	8014-95-7	30	60	420	5	1.126	0.01			
Paclitaxel (Hospira) (6 mg/ml, 49.7 % (v/v) Ethanol)	Liquid	33069-62-4	>240	>240	>240	5	<0.01	<0.01		>240	5
Pentanedial, 1,5- (5%)	Liquid	111-30-8	>480	>480	>480	6	<0.005	0.005	<48	>480	6
Phenol (85%)	Liquid	108-95-2	imm	11	>480	6	0.4	0.05			
Phenyl amine	Liquid	62-53-3	imm	imm	imm		2.1	0.14			
Polymethylene polyphenyle isocyanate (p-MDI)	Liquid	9016-87-9	>480	>480	>480	6	0.0303	0.0303	<14.5	>480	6
Potassium cyanide (10%)	Liquid	151-50-8	>480	>480	>480	6	<0.025	0.025	<12	>480	6
Potassium hydroxide (45%)	Liquid	1310-58-3	>480	>480	>480	6	<0.023	0.023	<11	>480	0
Potassium permanganate (sat)	Liquid	7722-64-7	>480	>480	>480	6	<0.025	0.025	<12	>480	6
Propan -2-ol	Liquid	67-63-0	imm	imm	imm		8	0.04			
Propan -2-ol (70%)	Liquid	67-63-0	imm	imm	imm		6.3	0.0097			

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Propan -2-one	Liquid	67-64-1	imm	imm	imm		5.9				
Propene acid	Liquid	79-10-7	imm	imm	imm		5.4	0.2			
Propenenitrile, 2-	Liquid	107-13-1	imm	imm	imm		10.6	0.005			
Propenoic acid nitrile	Liquid	107-13-1	imm	imm	imm		10.6	0.005			
Pyroacetic ether	Liquid	67-64-1	imm	imm	imm		5.9				
Sodium hydroxide (50%)	Liquid	1310-73-2	>480	>480	>480	6	<0.016	0.016	<7.7	>480	6
Sodium hypochlorite (15%)	Liquid	7681-52-9	>480	>480	>480	6	<0.03	0.03	<14.4	>480	6
Sodium hypochlorite (5.25-6%)	Liquid	7681-52-9	>480	>480	>480	6	<0.025	0.025	<12	>480	6
Sodium metabisulphite (38%)	Liquid	7681-57-4		imm							
Sodium silicate (40-42%)	Liquid	6834-92-0	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Sulfamic acid (15%)	Liquid	5329-14-6	>480	>480	>480	6	<0.05	0.05	<24	>480	6
Sulfamidic acid (15%)	Liquid	5329-14-6	>480	>480	>480	6	<0.05	0.05	<24	>480	6
Sulfur dioxide	Vapor	7446-09-5	imm	imm			>29	0.14			
Sulfuric acid (>95%)	Liquid	7664-93-9	>480	>480	>480	6	<0.02	0.02	<9.6	>480	6
Sulfuric acid fuming (103% (13% free SO3))	Liquid	8014-95-7	220	230	430	5	1.13	0.03			
Sulfuric acid fuming (20% free SO3)	Liquid	8014-95-7	30	60	420	5	1.126	0.01			
Tetrachloro ethylene, 1,1,2,2-	Liquid	127-18-4	imm	imm	imm		>400	0.11 ppm			
Tetrahydrofuran	Liquid	109-99-9	imm	imm	imm			0.05			
Tetramethyl ammonium hydroxide (25%)	Liquid	75-59-2	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Thiotepa (10 mg/ml)	Liquid	52-24-4	69*/93	>240	>240	5	0.02	<0.01		>240	5
Toluene	Liquid	108-88-3	imm	imm	imm			0.04			
Toluene diisocyanate, 2,4-	Liquid	584-84-9	imm	imm	imm		7	0.01			
Toluene diisocyanate, 2,4- (80%)	Liquid	584-84-9	59	60	97	3	6.75	0.0281			
Trichloro benzene, 1,2,4-	Liquid	120-82-1	imm	imm	imm		8.4	0.001			
Trichloro methane	Liquid	67-66-3	imm	imm	imm		348	1 ppm			
Trifluoro ethanol, 2,2,2-	Liquid	75-89-8	imm	imm	imm						
Vinyl cyanide	Liquid	107-13-1	imm	imm	imm		10.6	0.005			
Vinyl ethylene (gaseous)	Vapor	106-99-0	imm	imm	imm		>12	0.001			
White Liquor	Liquid		>480	>480	>480	6	<0.1	0.1	<4.8	>480	6

BT Act (Actual) Breakthrough time at MDPR [mins] BT 0.1 Normalized breakthrough time at 0.1 µg/cm²/min [mins] BT 1.0 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.