



QC0990 YL

DuPont™ Tychem® 2000 Tape

DuPont™ Tychem® 2000 Tape. 60 yard length. ~2" width.

| Name | Description |
|------------------|--------------------|
| Full Part Number | QC0990YL000012NL |
| Fabric/Materials | Tychem® 2000 |
| Design | Tape |
| Color | Yellow |
| Quantity/Box | 12 rolls per case |
| Sizes | One size |
| Option Codes | NL |

FEATURES & PRODUCT DETAILS

A lightweight, and durable fabric, Tychem® 2000 fabric provides at least 30 minutes of protection against >40 chemical challenges.

Overall, DuPont Tychem® 2000 Tape keeps you safe in a variety of places while providing the same level of chemical resistance as our Tychem® 2000 fabric. It is used in food processing, chemical processing, and pharmaceutical manufacturing.

- Helps to seal gaps in protective apparel ensemble closure points, in particular at seam, sleeve, glove, storm flap, and ankle/boot.
- Tears easily for quick application.
- Tape elasticity allows for tight adhesion to help prevent potential leak sources.
- Provides same chemical resistance as Tychem® 2000 fabric. Provides protection against a variety of inorganic acids and bases.
- Flexibility and adhesive allows for easy repositioning.
- One size.

FINISHED DIMENSIONS

| Size | Length | Width |
|----------|---------|---------|
| One Size | 60 yard | ~2 inch |

AVAILABLE OPTIONS

| Option Code | Description | Sizes | Part Number |
|-------------|-------------|----------|------------------|
| NL | No Liner | One Size | QC0990YL000012NL |

Physical Properties



Data relating to mechanical performance of the fabrics used in DuPont chemical protective clothing, listed for the selected garment according to the test methods and relevant European standard, if applicable. Such properties, including abrasion and flex-cracking resistance, tensile strength and puncture resistance can help in the assessment of protective performance.

| Property | Test Method | Typical Result |
|----------------------------------|-------------|------------------------|
| Thickness | ASTM D1777 | 10 mils |
| Basis Weight | ASTM D3776 | 2.5 oz/yd ² |
| Burst Strength - Mullen | ASTM D3786 | 68 psi |
| Tear Resistance - Trap Tear (MD) | ASTM D5587 | 6.4 lb _f |
| Tear Resistance - Trap Tear (CD) | ASTM D5587 | 5 lb _f |
| Breaking Strength - Grab (MD) | ASTM D5034 | 39 lb _f |
| Breaking Strength - Grab (CD) | ASTM D5034 | 43 lb _f |
| Wearing Apparel Flammability | 16 CFR 1610 | Class 1 |

CHEMICAL RESISTANCE

| Hazard / Chemical Name | Cas Number | Phase | Normalized Break Through . |
|--------------------------------------|------------|--------|----------------------------|
| Acetic acid (>95%) | 64-19-7 | Liquid | imm |
| Acetic acid ethyl ester | 141-78-6 | Liquid | imm |
| Acetone | 67-64-1 | Liquid | imm |
| Acetonitrile | 75-05-8 | Liquid | imm |
| Acroleic acid | 79-10-7 | Liquid | imm |
| Acrylic acid | 79-10-7 | Liquid | imm |
| Acrylonitrile | 107-13-1 | Liquid | imm |
| Amido sulfonic acid (15%) | 5329-14-6 | Liquid | >480 |
| Amino benzene | 62-53-3 | Liquid | imm |
| Ammonia (gaseous) | 7664-41-7 | Vapor | imm |
| Ammonium hydroxide (28% - 30%) | 1336-21-6 | Liquid | imm |
| Aniline | 62-53-3 | Liquid | imm |
| Benzenamine | 62-53-3 | Liquid | imm |
| Black Liquor (mix) | mix | Liquid | >480 |
| Bromine | 7726-95-6 | Liquid | imm |
| Butadiene, 1,3- (gaseous) | 106-99-0 | Vapor | imm |
| Butanal, n- | 123-72-8 | Liquid | imm |
| Butanol, 1- | 71-36-3 | Liquid | imm |
| Butanol, n- | 71-36-3 | Liquid | imm |
| Butyl alcohol, n- | 71-36-3 | Liquid | imm |
| Butyraldehyde, n- | 123-72-8 | Liquid | imm |
| Carbon disulfide | 75-15-0 | Liquid | imm |
| Carmustine (3.3 mg/ml, 10 % Ethanol) | 154-93-8 | Liquid | >240 |
| Caustic ammonia (28% - 30%) | 1336-21-6 | Liquid | imm |
| Caustic soda (50%) | 1310-73-2 | Liquid | >480 |
| Chlorine (20 ppm) | 7782-50-5 | Vapor | >480 ⁸ |
| Chlorine (gaseous) | 7782-50-5 | Vapor | imm |
| Chloro 2-nitrobenzene, 1- | 88-73-3 | Solid | 15 |
| Chloro acetic acid (80%) | 79-11-8 | Liquid | >480 |
| Chloro ethanol, 2- | 107-07-3 | Liquid | imm |

| Hazard / Chemical Name | Cas Number | Phase | Normalized Break Through . |
|--|------------|--------|----------------------------|
| Chloro form | 67-66-3 | Liquid | imm |
| Cresol o- | 95-48-7 | Liquid | 13 |
| Cresols, mixed isomers | 1319-77-3 | Liquid | 71 |
| Cresylic acid | 1319-77-3 | Liquid | 71 |
| Cyanoethylene | 107-13-1 | Liquid | imm |
| Cyanomethane | 75-05-8 | Liquid | imm |
| Cyclo phosphamide (20 mg/ml) | 50-18-0 | Liquid | >240 |
| Diaminoethane, 1,2- | 107-15-3 | Liquid | >480 |
| Dichloro methane | 75-09-2 | Liquid | imm |
| Diesel automotive test fuel | mix | Liquid | imm |
| Diethyl amine | 109-89-7 | Liquid | imm |
| Dimethyl acetamide, N,N- (8%) | 127-19-5 | Liquid | >480 |
| Dimethyl formamide, N,N- | 68-12-2 | Liquid | imm |
| Dimethyl ketal | 67-64-1 | Liquid | imm |
| Dimethyl ketone | 67-64-1 | Liquid | imm |
| Diphenyl methane diisocyanate, 4,4'- (50 °C, molten) | 101-68-8 | Liquid | >480 |
| Disodium sulfide (60% (slurry)) | 1313-82-2 | Liquid | >480 |
| Doxorubicin HCl (2 mg/ml) | 25136-40-9 | Liquid | >240 |
| DuPont Activator 193S (mix) | mix | Liquid | >480 |
| DuPont Activator 4505S (mix) | mix | Liquid | >480 |
| DuPont Activator 4507S (mix) | mix | Liquid | >480 |
| Epoxy ethane (gaseous) | 75-21-8 | Vapor | imm |
| Ethane 1,2-diol | 107-21-1 | Liquid | >480 |
| Ethane nitrile | 75-05-8 | Liquid | imm |
| Ethyl acetate | 141-78-6 | Liquid | imm |
| Ethyl ethanamine, N- | 109-89-7 | Liquid | imm |
| Ethyl nitrile | 75-05-8 | Liquid | imm |
| Ethylene carboxylic acid | 79-10-7 | Liquid | imm |
| Ethylene chlorohydrin | 107-07-3 | Liquid | imm |
| Ethylene diamine | 107-15-3 | Liquid | >480 |

| Hazard / Chemical Name | Cas Number | Phase | Normalized Break Through . |
|---|------------|--------|----------------------------|
| Ethylene glycol | 107-21-1 | Liquid | >480 |
| Ethylene oxide (gaseous) | 75-21-8 | Vapor | imm |
| Ethylene tetrachloride | 127-18-4 | Liquid | imm |
| Etoposide (Toposar®, Teva) (20 mg/ml, 33.2 % (v/v) Ethanol) | 33419-42-0 | Liquid | >240 |
| Fluorouracil, 5- (50 mg/ml) | 51-21-8 | Liquid | >240 |
| Formalin (3.7%, 1-1.5% Methanol) | 50-00-0 | Liquid | >480 |
| Formalin (37% (10-15% Methanol)) | 50-00-0 | Liquid | imm |
| Fuel-oil no 2 | 68476-30-2 | Liquid | imm |
| Glutaral (5%) | 111-30-8 | Liquid | >480 |
| Glutaraldehyde (5%) | 111-30-8 | Liquid | >480 |
| Glycol alcohol | 107-21-1 | Liquid | >480 |
| Glycol chlorohydrin | 107-07-3 | Liquid | imm |
| Green Liquor (mix) | mix | Liquid | >480 |
| Hexamethylene diisocyanate | 822-06-0 | Liquid | >480 |
| Hexane, n- | 110-54-3 | Liquid | imm |
| Hydrochloric acid (37%) | 7647-01-0 | Liquid | 140 |
| Hydrofluoric acid (48-51%) | 7664-39-3 | Liquid | 446 |
| Hydrogen chloride (gaseous) | 7647-01-0 | Vapor | imm |
| Hydrogen fluoride (20-27 °C, gaseous) | 7664-39-3 | Vapor | imm |
| Hydrogen peroxide (30%) | 7722-84-1 | Liquid | >480 |
| Hydrogen peroxide (50%) | 7722-84-1 | Liquid | >480 |
| Hydrogen peroxide (70%) | 7722-84-1 | Liquid | >480 |
| Hydroxy toluene, o- | 95-48-7 | Liquid | 13 |
| Isopropanol | 67-63-0 | Liquid | imm |
| Isopropanol (70%) | 67-63-0 | Liquid | imm |
| Isopropyl alcohol | 67-63-0 | Liquid | imm |
| Isopropyl alcohol (70%) | 67-63-0 | Liquid | imm |
| Ketone propane | 67-64-1 | Liquid | imm |
| Limonene d- | 5989-27-5 | Liquid | imm |
| Lithium chloride (20%) | 7447-41-8 | Liquid | >480 |

| Hazard / Chemical Name | Cas Number | Phase | Normalized Break Through |
|--|------------|--------|--------------------------|
| Lithium hydroxide (14.9%) | 1310-65-2 | Liquid | >480 |
| Mercury | 7439-97-6 | Liquid | >480 |
| Methanol | 67-56-1 | Liquid | imm |
| Methyl 4-isopropenyl-1-cyclohexene, 1- | 5989-27-5 | Liquid | imm |
| Methyl acetyl | 67-64-1 | Liquid | imm |
| Methyl benzol | 108-88-3 | Liquid | imm |
| Methyl chloride (gaseous) | 74-87-3 | Vapor | imm |
| Methyl cyanide | 75-05-8 | Liquid | imm |
| Methyl ketone | 67-64-1 | Liquid | imm |
| Methyl phenols | 1319-77-3 | Liquid | 71 |
| Methyl salicylate | 119-36-8 | Liquid | <15 |
| Methylene chloride | 75-09-2 | Liquid | imm |
| Methylene diphenyl diisocyanate, 4,4'- (50 °C, molten) | 101-68-8 | Liquid | >480 |
| Mineral spirit | 64475-85-0 | Liquid | imm |
| Nitric acid (70%) | 7697-37-2 | Liquid | >480 |
| Nitro benzene | 98-95-3 | Liquid | imm |
| Nitro chlorobenzene, p- | 100-00-5 | Solid | imm |
| Nitro toluene, p- | 99-99-0 | Solid | imm |
| Oleum (103% (13% free SO3)) | 8014-95-7 | Liquid | 230 |
| Oleum (20% free SO3) | 8014-95-7 | Liquid | 60 |
| Paclitaxel (Hospira) (6 mg/ml, 49.7 % (v/v) Ethanol) | 33069-62-4 | Liquid | >240 |
| Pentanedial, 1,5- (5%) | 111-30-8 | Liquid | >480 |
| Phenol (85%) | 108-95-2 | Liquid | 11 |
| Phenyl amine | 62-53-3 | Liquid | imm |
| Polymethylene polyphenyle isocyanate (p-MDI) | 9016-87-9 | Liquid | >480 |
| Potassium cyanide (10%) | 151-50-8 | Liquid | >480 |
| Potassium hydroxide (45%) | 1310-58-3 | Liquid | >480 |
| Potassium permanganate (sat) | 7722-64-7 | Liquid | >480 |
| Propan -2-ol | 67-63-0 | Liquid | imm |
| Propan -2-ol (70%) | 67-63-0 | Liquid | imm |

| Hazard / Chemical Name | Cas Number | Phase | Normalized Break Through . |
|--|------------|--------|----------------------------|
| Propan -2-one | 67-64-1 | Liquid | imm |
| Propene acid | 79-10-7 | Liquid | imm |
| Propenenitrile, 2- | 107-13-1 | Liquid | imm |
| Propenoic acid nitrile | 107-13-1 | Liquid | imm |
| Pyroacetic ether | 67-64-1 | Liquid | imm |
| Sodium hydroxide (50%) | 1310-73-2 | Liquid | >480 |
| Sodium hypochlorite (15%) | 7681-52-9 | Liquid | >480 |
| Sodium hypochlorite (5.25-6%) | 7681-52-9 | Liquid | >480 |
| Sodium metabisulphite (38%) | 7681-57-4 | Liquid | imm |
| Sodium silicate (40-42%) | 6834-92-0 | Liquid | >480 |
| Sulfamic acid (15%) | 5329-14-6 | Liquid | >480 |
| Sulfamidic acid (15%) | 5329-14-6 | Liquid | >480 |
| Sulfur dioxide | 7446-09-5 | Vapor | imm |
| Sulfuric acid (>95%) | 7664-93-9 | Liquid | >480 |
| Sulfuric acid fuming (103% (13% free SO3)) | 8014-95-7 | Liquid | 230 |
| Sulfuric acid fuming (20% free SO3) | 8014-95-7 | Liquid | 60 |
| Tetrachloro ethylene, 1,1,2,2- | 127-18-4 | Liquid | imm |
| Tetrahydrofuran | 109-99-9 | Liquid | imm |
| Tetramethyl ammonium hydroxide (25%) | 75-59-2 | Liquid | >480 |
| Thiotepa (10 mg/ml) | 52-24-4 | Liquid | >240 |
| Toluene | 108-88-3 | Liquid | imm |
| Toluene diisocyanate, 2,4- | 584-84-9 | Liquid | imm |
| Toluene diisocyanate, 2,4- (80%) | 584-84-9 | Liquid | 60 |
| Trichloro benzene, 1,2,4- | 120-82-1 | Liquid | imm |
| Trichloro methane | 67-66-3 | Liquid | imm |
| Trifluoro ethanol, 2,2,2- | 75-89-8 | Liquid | imm |
| Vinyl cyanide | 107-13-1 | Liquid | imm |
| Vinyl ethylene (gaseous) | 106-99-0 | Vapor | imm |
| White Liquor | mix | Liquid | >480 |

BT0.1 Normalized breakthrough time at 0.1 µg/cm²/min [mins] 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 $\mu\text{g}/\text{cm}^2/\text{min}$ [mins] acc. ASTM F1383

SPECIAL WARNINGS

- *Serged and bound seams are degraded by some hazardous liquid chemicals, such as strong acids, and should not be worn when these chemicals are present.

Important Note:

- *CAUTION: This information is based upon technical data that DuPont believes to be reliable. It is subject to revision as additional knowledge and experience are gained. DuPont makes no guarantee of results and assumes no obligation or liability in connection with this information. It is the user's responsibility to determine the level of toxicity and the proper personal protective equipment needed. The information set forth herein reflects laboratory performance of fabrics, not complete garments, under controlled conditions. It is intended for informational use by persons having technical skill for evaluation under their specific end-use conditions, at their own discretion and risk. Anyone intending to use this information should first verify that the garment selected is suitable for the intended use. In many cases, seams and closures have shorter breakthrough times and higher permeation rates than the fabric. Please contact DuPont for specific data. If fabric becomes torn, abraded or punctured, or if seams or closures fail, or if attached gloves, visors, etc. are damaged, end user should discontinue use of garment to avoid potential exposure to chemical. Since conditions of use are outside our control, we make no warranties, express or implied, including, without limitation, no warranties of merchantability or fitness for a particular use and assume no liability in connection with any use of this information. This information is not intended as a license to operate under or a recommendation to infringe any patent or technical information of DuPont or others covering any material or its use.

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