



BT770 BK UL

DUPONT™ Tychem® BT770

Highest highest permeation resistance to gases and water vapors of any protective material used to make gloves with rough finish, Ideal for long exposure to highly corrosive chemicals, alcohols, ketones and ester.

Name	Description
Length	14 in (355 mm)
Thickness	28 mil (0.71 mm)
Liner	Unlined
Coating	Fully coated Butyl
Cuff Style	Rolled / Anatomical shape
Color/Grip	Black /Rough textured finish over surface of hand
Packaging	1 pair per bag/12 bags per box: 12 total pairs

FEATURES & PRODUCT DETAILS

Tychem BT770 gloves are designed to provide optimum protection and dexterity during prolonged exposure to ketones and esters.

With a high permeability resistance, they are designed to provide ease of movement and safe handling during continuous wear.

- Protects the hand from high corrosive chemical including alcohols, ester , ketones.
- Designed for easy movement and continuous wear
- A thin, high barrier light glove with a rough finish
- Impermeable for working in damp or greasy environments
- Lower allergy risks
- Without special treatment Available by pair in individual pair in polybag

TYPICAL INDUSTRIES

- Chemical
- Municipal services
- Steel & metals

APPLICATIONS

- Spraying chemical
- Corrosive Acid handling
- Acetone and Ketone handling

AVAILABLE OPTIONS

Product Name	Sizes	Full Part Number	Article Number
Tychem® BT770	8	BT770 BK UL	D15536334
Tychem® BT770	9	BT770 BK UL	D15536335
Tychem® BT770	10	BT770 BK UL	D15536336
Tychem® BT770	11	BT770 BK UL	D15536337
	7	BT770 BK UL	D15536333

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

SIZES

Product Size	Article Number	Additional info
7	D15536333	
8	D15536334	
9	D15536335	
10	D15536336	
11	D15536337	

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
2-(2-Butoxyethoxy) ethanol	Liquid	112-34-5	>480
Acetaldehyde	Liquid	75-07-0	>480
Acetic acid (84%)	Liquid	64-19-7	>480
Acetic acid ethenyl ester	Liquid	108-05-4	163
Acetic acid ethyl ester	Liquid	141-78-6	212
Acetic acid pentyl ester	Liquid	628-63-7	158
Acetone	Liquid	67-64-1	>480
Acetonitrile	Liquid	75-05-8	>480
Acrylamide (50%)	Liquid	79-06-1	>480
Acrylic acid n-butyl ester	Liquid	141-32-2	20
Acrylicamide (50%)	Liquid	79-06-1	>480
Acrylonitrile	Liquid	107-13-1	>480
Allyl alcohol	Liquid	107-18-6	>480
Amino benzene	Liquid	62-53-3	>480
Amino ethanol, 2-	Liquid	141-43-5	>480
Ammonia (gaseous)	Vapor	7664-41-7	>480
Ammonium hydroxide (28% - 30%)	Liquid	1336-21-6	>480
Amyl acetate, n-	Liquid	628-63-7	158
Amyl alcohol	Liquid	71-41-0	>480
Amyl ester acetic acid	Liquid	628-63-7	158
Aniline	Liquid	62-53-3	>480
Benzenamine	Liquid	62-53-3	>480
Benzene	Liquid	71-43-2	34
Benzyl alcohol	Liquid	100-51-6	>480
Butadiene, 1,3- (gaseous)	Vapor	106-99-0	473
Butanol, 1-	Liquid	71-36-3	>480
Butanol, n-	Liquid	71-36-3	>480
Butanone oxime, 2-	Liquid	96-29-7	>480
Butoxy ethanol, 2-	Liquid	111-76-2	>480
Butyl acetate, n-	Liquid	123-86-4	125

Hazard / Chemical Name	Physical State	CAS	BT 0.1
Butyl acrylate, n-	Liquid	141-32-2	20
Butyl alcohol, n-	Liquid	71-36-3	>480
Butyl amine	Liquid	109-73-9	45
Carbon disulfide	Liquid	75-15-0	imm
Carbon tetrachloride	Liquid	56-23-5	53
Caustic ammonia (28% - 30%)	Liquid	1336-21-6	>480
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	>480
Chloro ethene	Vapor	75-01-4	268
Chloro form	Liquid	67-66-3	21
Citric acid (30%)	Liquid	77-92-9	>480
Cresols, mixed isomers	Liquid	1319-77-3	>480
Cresylic acid	Liquid	1319-77-3	>480
Cyanoethylene	Liquid	107-13-1	>480
Cyanomethane	Liquid	75-05-8	>480
Cyclo hexane	Liquid	110-82-7	44
Cyclo hexanone	Liquid	108-94-1	>480
Diaminodiphenylmethane, 4,4'- (190 °C, liquid)	Liquid	101-77-9	>480
Diaminoethane, 1,2-	Liquid	107-15-3	>480
Dichlorbenzen, 1,2-	Liquid	95-50-1	imm
Dichlorethane, 1.2.-	Liquid	107-06-2	69
Dichloro ethylene, 1,1-	Liquid	75-35-4	imm
Dichloro methane	Liquid	75-09-2	20
Diethanolamine	Liquid	111-42-2	>480
Diethyl amine	Liquid	109-89-7	30
Diethyl ether	Liquid	60-29-7	19
Diethylene glycol monobutyl ether	Liquid	112-34-5	>480
Diethylene imide oxide	Liquid	110-91-8	>480
Dimethyl acetamide, N,N-	Liquid	127-19-5	>480

Hazard / Chemical Name	Physical State	CAS	BT 0.1
Dimethyl amine (40%)	Liquid	124-40-3	65
Dimethyl formamide, N,N-	Liquid	68-12-2	>480
Dimethyl hydrazine, N,N-	Liquid	57-14-7	>480
Dimethyl ketal	Liquid	67-64-1	>480
Dimethyl ketone	Liquid	67-64-1	>480
Dimethyl sulfate	Liquid	77-78-1	30
Dimethyl sulfoxide	Liquid	67-68-5	>480
Epichlorohydrin	Liquid	106-89-8	>480
Epoxy ethane (gaseous)	Vapor	75-21-8	189
Epoxy propane, 1,2-	Liquid	75-56-9	imm
Ethane 1,2-diol	Liquid	107-21-1	>480
Ethane nitrile	Liquid	75-05-8	>480
Ethanol	Liquid	64-17-5	>480
Ethanol amine	Liquid	141-43-5	>480
Ethyl acetate	Liquid	141-78-6	212
Ethyl alcohol	Liquid	64-17-5	>480
Ethyl benzene	Liquid	100-41-4	imm
Ethyl ethanamine, N-	Liquid	109-89-7	30
Ethyl ether	Liquid	60-29-7	19
Ethyl nitrile	Liquid	75-05-8	>480
Ethylene diamine	Liquid	107-15-3	>480
Ethylene dichloride	Liquid	107-06-2	69
Ethylene glycol	Liquid	107-21-1	>480
Ethylene glycol monobutyl ether	Liquid	111-76-2	>480
Ethylene oxide (gaseous)	Vapor	75-21-8	189
Ethylene tetrachloride	Liquid	127-18-4	28
Ethylene trichloride	Liquid	79-01-6	13
Fluoroboric acid (48-50%)	Liquid	16872-11-0	>480
Formalin (37% (10-15% Methanol))	Liquid	50-00-0	>480
Formic acid (>95%)	Liquid	64-18-6	>480

Hazard / Chemical Name	Physical State	CAS	BT 0.1
Furaldehyde, 2-	Liquid	98-01-1	>480
Furfural	Liquid	98-01-1	>480
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	23
Hexane, n-	Liquid	110-54-3	13
Hexanone	Liquid	108-94-1	>480
Hexone	Liquid	108-10-1	292
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	>480
Hydrogen chloride (gaseous)	Vapor	7647-01-0	>480
Hydrogen fluoride (20-27 °C, gaseous)	Vapor	7664-39-3	>480
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	>480
Hydroxy toluene	Liquid	100-51-6	>480
Iodomethane	Liquid	74-88-4	imm
Isoamyl alcohol	Liquid	123-51-3	>480
Isobutyl methyl ketone	Liquid	108-10-1	292
Isopropanol	Liquid	67-63-0	>480
Isopropyl alcohol	Liquid	67-63-0	>480
Kerosene	Liquid	8008-20-6	94
Ketone propane	Liquid	67-64-1	>480
Low boiling point naphtha - unspecified	Liquid	8052-41-3	77
Methanol	Liquid	67-56-1	>480
Methoxy 2-methylpropane, 2-	Liquid	1634-04-4	38
Methyl 2-methyl-2-propenoate	Liquid	80-62-6	63

Hazard / Chemical Name	Physical State	CAS	BT 0.1
Methyl 2-pyrrolidon, N-	Liquid	872-50-4	>480
Methyl acetyl	Liquid	67-64-1	>480
Methyl amine (40%)	Liquid	74-89-5	>480
Methyl aniline, o-	Liquid	95-53-4	>480
Methyl benzol	Liquid	108-88-3	22
Methyl butan-1-ol, 3-	Liquid	123-51-3	>480
Methyl chloride (gaseous)	Vapor	74-87-3	>480
Methyl chloroform	Liquid	71-55-6	72
Methyl cyanide	Liquid	75-05-8	>480
Methyl ethyl ketoxime	Liquid	96-29-7	>480
Methyl iodide	Liquid	74-88-4	imm
Methyl ketone	Liquid	67-64-1	>480
Methyl methacrylate	Liquid	80-62-6	63
Methyl pentan-2-one, 4-	Liquid	108-10-1	292
Methyl phenols	Liquid	1319-77-3	>480
Methyl salicylate	Liquid	119-36-8	>480
Methyl tert-butyl ether	Liquid	1634-04-4	38
Methyl trichloromethane	Liquid	71-55-6	72
Methylene chloride	Liquid	75-09-2	20
Methylene dianiline (190 °C, liquid)	Liquid	101-77-9	>480
Mineral spirit	Liquid	64475-85-0	77
Morpholine	Liquid	110-91-8	>480
Nitric acid (23%)	Liquid	7697-37-2	>480
Nitric acid (70%)	Liquid	7697-37-2	>480
Nitro benzene	Liquid	98-95-3	>480
Nitro methane	Liquid	75-52-5	>480
Nitro propane, 2-	Liquid	79-46-9	>480
PCB 1254 (95%)	Liquid	11097-69-1	>480
Pentachlorophenol (5% in Kerosene)	Liquid	87-86-5	imm
Pentanedial, 1,5- (50%)	Liquid	111-30-8	>480

Hazard / Chemical Name	Physical State	CAS	BT 0.1
Pentanol, 1-	Liquid	71-41-0	>480
Pentyl acetate	Liquid	628-63-7	158
Phenethylene	Liquid	100-42-5	26
Phenyl amine	Liquid	62-53-3	>480
Phenyl ethane	Liquid	100-41-4	imm
Phosphoric acid (85%)	Liquid	7664-38-2	>480
Pimelic ketone	Liquid	108-94-1	>480
Potassium hydroxide (45%)	Liquid	1310-58-3	>480
Propan -2-ol	Liquid	67-63-0	>480
Propan -2-one	Liquid	67-64-1	>480
Propen 1-ol, 2-	Liquid	107-18-6	>480
Propenamide (50%)	Liquid	79-06-1	>480
Propenenitrile, 2-	Liquid	107-13-1	>480
Propenoic acid butyl ester, 2-	Liquid	141-32-2	20
Propenoic acid nitrile	Liquid	107-13-1	>480
Propylene oxide, 1,2-	Liquid	75-56-9	imm
Pyroacetic ether	Liquid	67-64-1	>480
Sodium hydroxide (50%)	Liquid	1310-73-2	>480
Sodium hypochlorite (4-6%)	Liquid	7681-52-9	>480
Spiritus	Liquid	64-17-5	>480
Stoddard solvent	Liquid	8052-41-3	77
Styrene	Liquid	100-42-5	26
Sulfuric acid (47%)	Liquid	7664-93-9	>480
Sulfuric acid (>95%)	Liquid	7664-93-9	>480
Sulfuric acid dimethyl ester	Liquid	77-78-1	30
Tetrachloro ethylene, 1,1,2,2-	Liquid	127-18-4	28
Tetrachloro methane	Liquid	56-23-5	53
Tetrahydrofuran	Liquid	109-99-9	24
Toluene	Liquid	108-88-3	22
Toluene diisocyanate, 2,4-	Liquid	584-84-9	>480

Hazard / Chemical Name	Physical State	CAS	BT 0.1
Toluidine, o-	Liquid	95-53-4	>480
Trichloro 1,2,2-trifluoroethane, 1,1,2-	Liquid	76-13-1	>480
Trichloro benzene, 1,2,4-	Liquid	120-82-1	imm
Trichloro ethane, 1,1,1-	Liquid	71-55-6	72
Trichloro ethylene	Liquid	79-01-6	13
Trichloro methane	Liquid	67-66-3	21
Vinyl acetate	Liquid	108-05-4	163
Vinyl benzol	Liquid	100-42-5	26
Vinyl carbinol	Liquid	107-18-6	>480
Vinyl chloride	Vapor	75-01-4	268
Vinyl cyanide	Liquid	107-13-1	>480
Vinyl ethylene (gaseous)	Vapor	106-99-0	473
Vinylidene chloride	Liquid	75-35-4	imm

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 $\mu\text{g}/\text{cm}^2/\text{min}$ [mins] acc. ASTM F1383

Important Note.