

Chemical resistance guide

8330 // TOUGH GRIP N

Material:	Nitrile, black
Coating:	-
Size(s):	S-2XL
Packaging unit:	10 piece(s)
Certification:	EN ISO 374



Description

NITRAS TOUGH GRIP N, nitrile disposable gloves, black (colour code: 1000), non-sterile, rolled edge, powder-free, innovative scale surface for perfect grip on wet and dry surfaces, perfect fit, very durable, for food contact, ambidextrous (left and right hand), colour code system for sizes, AQL 1,5, protection against micro-organisms and bacteria, premium quality, box per 50 pieces

Thickness (approx.)	mm
Finger	0.26
Palm	0.20
Cuff	0.20

Chemical	CAS number	Aggregate state	Permeation time
(2-Hydroxyethyl) methacrylate		liquid	60
1,1,1-trichloroethane	71-55-6	liquid	0
1,1,1-Trichloroethane (methyl chloroform)	71-55-6	liquid	0
1,1-Dichloroethane	75-34-3	liquid	0
1,2,3-trichloropropane	96-18-4	liquid	20
1,2,3-trimethylbenzene	526-73-8	liquid	7
1,2,4-trimethylbenzene	95-63-6	liquid	0
1,2-dichloroethane	107-06-2	liquid	4
1,2-Phenylenediamine	95-54-5	liquid	100
1,2-Propanediol (for synthesis)	57-55-6	liquid	>480
1,4-dichlorobenzene	106-46-7	liquid	7
1,4-dioxane	123-91-1	liquid	10
1,6-Hexamethylene diisocyanate (HDI)	822-06-0	liquid	30
1-Bromonaphthalene	90-11-9	liquid	0
1-Butoxy-2-propanol	5131-66-8	liquid	120
1-chloronaphthalene	90-13-1	liquid	0
1-Methoxy-2-propyl acetate	108-65-6	liquid	7
1-Methoxypropan-2-ol	107-98-2	liquid	15
1-methyl-2-pyrrolidone	872-50-4	liquid	8
1-Naphthylamin	134-32-7	solid	>480
2-Butanone (MEK)	78-93-3	liquid	0
2-Butoxyethanol	111-76-2	liquid	120
2-Butoxyethyl acetate	112-07-2	liquid	10
2-Ethoxyethanol	110-80-5	liquid	7

2-Ethoxyethyl acetate	111-15-9	liquid	15
2-Ethylhexyl acrylate	103-11-7	liquid	20
2-Hexanol	626-93-7	liquid	120
2-Hydroxyethyl methacrylate	868-77-9	liquid	60
2-Methoxy-1-methylethyl acetate	108-65-6	liquid	10
2-Methoxyethanol	109-86-4	liquid	30
2-Methoxyethyl acetate	110-49-6	liquid	10
2-Phenoxyethanol	2386-54-2	solid	>480
4-methylpentan-2-one	108-10-1	liquid	2
4-tert-butylphenol (p-tert-butylphenol / ptBP)	98-54-4	liquid	7
ACIDO NITRICO TECNICO	7697-37-2	liquid	3
Acetaldehyde	75-07-0	liquid	6
Acetone	67-64-1	liquid	0
Acetonitril	75-05-8	liquid	0
Acetonitrile 20%	75-05-8	liquid	15
Acetonitrile 30%	75-05-8	liquid	10
Acetonitrile 50%	75-05-8	liquid	0
Acetonitrile 70%	75-05-8	liquid	0
Acrylonitrile	107-13-1	liquid	60
Battery acid (25% sulphuric acid)	7664-93-9	liquid	>480
Waste oil		liquid	60
Aluminium	7429-90-5	solid	>480
Aluminium-silicon powder	11145-27-0	solid	>480
Aluminium oxide (alumina)	1344-28-1	liquid	>480
Aluminium powder	7429-90-5	solid	>480
Aluminium sulfate	16828-12-9	solid	>480
Formic acid 10%	64-18-6	liquid	>480
Formic acid 50%	64-18-6	liquid	20
Formic acid 90%	64-18-6	liquid	10
Amidosulfonic acid	5329-14-6	solid	>480
Ammonia	7664-41-7	gaseous	4
Ammonia (gas)	7664-41-7	gaseous	4
Ammonia (anhydrous)	7664-41-7	gaseous	4
Ammonia 10%	1336-21-6	liquid	>480
Ammonia hydroxide 25%	1336-21-6	liquid	250
Ammonia solution 1%	1336-21-6	liquid	>480
Ammonia solution 5%	1336-21-6	liquid	>480
Ammonium acetate	631-61-8	solid	>480
Ammonium carbamate (for analysis)	1111-78-0	solid	>480
Ammonium carbonate	10361-29-2	solid	>480
Ammonium chloride	12125-02-9	solid	>480
Ammonium fluoride	12125-01-8	liquid	>480
Ammonium heptamolybdate tetrahydrate	12054-85-2	solid	>480
Ammonium heptamolybdate tetrahydrate (for analysis)	12054-85-2	solid	>480
Ammonium hydrogen citrate (for analysis)	3012-65-5	solid	>480
Ammonium metavanadate	7803-55-6	solid	>480
Ammonium monochloroacetate	15455-96-6	solid	>480
Ammonium monovanadate (for analysis)	7803-55-6	solid	>480
Ammonium nitrate	6484-52-2	liquid	>480
Ammonium oxalate	1113-38-8	solid	>480
Ammonium oxalate monohydrate (for analysis)	6009-70-7	solid	>480
Ammonium sulfamate (for analysis)	7773-06-0	solid	>480
Ammonium sulfate (for analysis)	7783-20-2	solid	>480

Ammonium sulfide	12135-76-1	liquid	>480
Ammonium tartrate (for analysis)	3164-29-2	solid	>480
Ammonium thiocyanate (for analysis)	1762-95-4	solid	>480
Amyl acetate	628-63-7	liquid	0
Amyl alcohol 99%	71-41-0	liquid	240
Aniline	62-53-3	liquid	7
Antimony(III) chloride (for analysis)	10025-91-9	solid	>480
Antimony(III) oxide	1309-64-4	solid	>480
Antimony pentachloride	7647-18-9	liquid	>480
BAYDUR PUL 20PL10	25791-96-2; 26401-97-8	liquid	240
Barium chloride	10361-37-2	solid	>480
Barium chloride dihydrate	10326-27-9	solid	>480
Barium chloride dihydrate (for analysis)	10326-27-9	solid	>480
Barium chloride dihydrate solution (10% in water)	10326-27-9, 7732-18-5	liquid	>480
Barium hydroxide octahydrate (for analysis)	12230-71-6	solid	>480
Barium nitrate (for analysis)	10022-31-8	solid	>480
Barium sulfate (chemically pure)	7727-43-7	solid	>480
Gasoline / premium gasoline		liquid	30
Gasoline 80/110 (pure)	64742-49-0, 110-54-3	liquid	60
benzene	71-43-2	liquid	0
Benzyl alcohol	100-51-6	liquid	30
Benzyl butyl phthalate	85-68-7	liquid	>480
Benzyl nicotinate		solid	>480
Lead	7439-92-1	liquid	>480
Butan-1-ol (1-butanol)	71-36-3	liquid	60
Butanone 10%	78-93-3	liquid	7
Butyl acetate	123-86-4	liquid	10
Butylamine	109-73-9	liquid	10
Butyldiglycol	112-34-5	liquid	>480
Butyl glycol	111-76-2	liquid	>480
Butyl glycol acetate	112-07-2	liquid	10
Butylhydroxytoluene	128-37-0	liquid	0
Butyl methyl ether	1634-04-4	liquid	0
CLORETO FERRICO 40%	7705-08-0	liquid	>480
Calcium chloride	10043-52-4	liquid	>480
Calcium chloride solution 33/35%	10043-52-4	liquid	>480
Calcium chloride lye 34%	10043-52-4	liquid	>480
Calcium fluoride (precipitated, pure)	7789-75-5	liquid	>480
Chemflake Special	100-42-5; 79-41-4; 75-57-0; 123-31-9	liquid	10
Chlorobenzene	108-90-7	liquid	0
Chlorinated biphenyls	1336-36-3	liquid	0
Chloroform	67-66-3	liquid	0
Chromic acid 50%	7738-94-5	liquid	60
Cumene (isopropylbenzene)	98-82-8	liquid	0
Cyclohexane	110-82-7	liquid	30
DESMODUR PUL 10PL01	9016-87-9	liquid	60
Dibutylamine	111-92-2	liquid	10
Dibutyl phthalate 99%	84-74-2	liquid	>480
Dichloroacetamide	79-07-2	solid	10
Dichloroacetyl chloride	79-04-9	liquid	0
Dichloroacetyl chloride 97% (DCAC)	79-04-9	liquid	0

Dichlorodifluoromethane (R12)	75-71-8	gaseous	0
Dichloroacetic acid	79-43-6	liquid	4
Dichloroacetic acid ethyl ester	105-39-5	liquid	0
Dichloroacetate methyl ester	116-54-1	liquid	0
Dichloromethane	75-09-2	liquid	0
Diesel fuel	68476-34-6	liquid	60
Diethanolamine (for analysis)	111-42-2	liquid	30
Diethylamine	109-89-7	liquid	0
Diethylene glycol	111-46-6	liquid	>480
Diethylene glycol dimethyl ether	111-96-6	liquid	7
Diethyl ether	60-29-7	liquid	0
Diethyl ketone	96-22-0	liquid	5
Diisobutyl ketone	108-83-8	liquid	15
Dimethyl ether	115-10-6	liquid	0
Dimethyl sulfate	77-78-1	liquid	10
Dimethyl sulfoxide	67-68-5	liquid	30
Disodium metasilicate pentahydrate	10213-79-3	solid	>480
Dioctyl adipate	123-79-5	liquid	60
Iron(III) chloride solution	7705-08-0	liquid	>480
Acetic acid 1 M	64-19-7	liquid	>480
Acetic acid 10%	64-19-7	liquid	>480
Acetic acid 100% (anhydrous)	64-19-7	liquid	6
Acetic acid 50%	64-19-7	liquid	240
Acetic acid 80%	64-19-7	liquid	10
Acetic acid 90%	64-19-7	liquid	10
Acetic acid 99%	64-19-7	liquid	10
Acetic acid conc. (glacial acetic acid)	64-19-7	liquid	6
Acetic anhydride	108-24-7	liquid	8
Ethanol (concentrated)	64-17-5	liquid	40
Ethanol 10%	64-17-5	liquid	>480
Ethanol 35%	64-17-5	liquid	80
Ethanol 50%	64-17-5	liquid	65
Ethanol 641 (96%, denatured with 1% 2-butanone)	64-17-5, 7732-18-5, 78-93-3	liquid	40
Ethanol 70%	64-17-5	liquid	65
Ethanol 80%	64-17-5	liquid	65
Ethanol 96% (denatured with 1% MEK)	64-17-5, 78-93-3	liquid	40
Ethanolamine 10-15%	141-43-5	liquid	120
Ethanolamine	141-43-5	liquid	30
Ethidium bromide 1%	1239-45-8	liquid	>480
Ethidium bromide 5%	1239-45-8	liquid	>480
Ethyl acetate	141-78-6	liquid	5
Ethylbenzene	100-41-4	liquid	5
Ethylbutanol	97-95-0	liquid	12
Ethyldiglycol	111-90-0	liquid	>480
Ethylenediamine	107-15-3	liquid	7
Ethylene dichloride	107-06-2	liquid	0
Ethylene glycol	111-90-0	liquid	>480
Exxsol D30	64742-48-9	liquid	120
Hydrofluoric acid 0.1-1%	7664-39-3	liquid	>480
Hydrofluoric acid 10%	7664-39-3	liquid	>480
Hydrofluoric acid 15%	7664-39-3	liquid	120
Hydrofluoric acid 20%	7664-39-3	liquid	120

Hydrofluoric acid 37%	7664-39-3	liquid	30
Hydrofluoric acid 40%	7664-39-3	liquid	33
Hydrofluoric acid 48%	7664-39-3	liquid	30
Hydrofluoric acid 75%	7664-39-3	liquid	0
Formaldehyde 10%	50-00-0	liquid	>480
Formaldehyde 25%	50-00-0	liquid	>480
Formaldehyde 35%	50-00-0	liquid	>480
Formaldehyde 37%	50-00-0	liquid	>480
Formaldehyde 4%	50-00-0	liquid	>480
Formalin 10%	82115-62-6	liquid	>480
Formalin 20%	82115-62-6	liquid	>480
Formalin 30%	82115-62-6	liquid	>480
Glycerine	56-81-5	liquid	>480
Glycolic acid	79-14-1	solid	>480
Glycolic acid 2%	79-14-1	liquid	>480
HEMPEL'S CURING AGENT 98930	28182-81-2 ; 108-10-1; 123-86-4; 64742-95-6; 4083-64-1	liquid	60
Halothane (2-bromo-2-chloro-1,1,1-trifluoroethane)	151-67-7	liquid	0
Heating oil	93821-66-0	liquid	30
Hempaprime Multi 500 Base	1675-54-3; 13463-67-7; 68609-97-2; 68512-30-1; 71-36-3; 100-41-4	liquid	10
Hempatex HI-Build 46330	128601-23-0; 1330-20-7; 85535-85-9; 123-86-4; 13463-67-7; 100-41-4; 64742-82-1; 108-88-3	liquid	30
Hempathane 55939 Base	13463-67-7; 123-86-4; 108-65-6; 1330-20-7; 123-42-2	liquid	10
Hempels Curing Agent 95090	1330-20-7; 90-72-2; 71-36-3; 100-41-4; 112-24-3	liquid	20
Heptadecafluorooctane-1-sulfonic acid (perfluorooctanesulfonic acid) and its salts	1763-23-1	solid	>480
Hexachlorobenzene	118-74-1	liquid	0
Hexamethylene diisocyanate	822-06-0	liquid	30
Hexane (n-hexane)	110-54-3	liquid	140
IPOCLORIX PWG	7681-52-9	solid	>480
Isooctane	540-84-1	liquid	>480
Isopropanol / 2-propanol	67-63-0	liquid	86
Isopropanol 40%	67-63-0	liquid	130
Isopropanol 60%	67-63-0	liquid	110
Isopropanol 70%	67-63-0	liquid	100
Isopropanol 80%	67-63-0	liquid	90
KEMIRA PAX 18	1327-41-9	liquid	120
Potassium hydroxide 10%	1310-58-3	liquid	>480
Potassium hydroxide saturated	1310-58-3	liquid	>480
Potassium disulphite \geq 96%	16731-55-8	liquid	>480
Carbon disulfide (carbon disulfide, carbon disulfide)	75-15-0	liquid	0
Carbon monoxide	630-08-0	gaseous	0
Carbon tetrachloride (tetrachloromethane)	56-23-5	liquid	0
Lindane (γ -1,2,3,4,5,6-hexa-chlorocyclohexane)	58-89-9	solid	>480

Methanol	67-56-1	liquid	7
Methyl acetate	79-20-9	liquid	7
Lactic acid (Kwas mlekowy Purac PF90)	79-33-4	liquid	240
Engine oil	8042-47-5	liquid	120
N,N-Dimethylacetamide	127-19-5	liquid	10
N,N-Dimethylformamide (dimethylformamide)	68-12-2	liquid	10
N-methyl-2-pyrrolidone	872-50-4	liquid	8
NOVAGUARD 890 BASE WHITE	9003-36-5; 30499-70-8; 100-51-6; 28064-14-4;	liquid	60
NOVAGUARD 890 HARDENER GREEN	6864-37-5; 100-51-6; 1760-24-3; 90-72-2	liquid	60
naphtha	64742-49-0	liquid	30
Sodium hydroxide 40%	1310-73-2	liquid	>480
Sodium hydroxide 10%	1310-73-2	liquid	>480
Sodium hydroxide 40%	1310-73-2	liquid	>480
Sodium hydroxide 5-50%	1310-73-2	liquid	>480
Sodium hydroxide 50%	1310-73-2	liquid	>480
Sodium hydroxide saturated	1310-73-2	liquid	>480
Nitro thinner		liquid	8
Oranet M	69011-36-5, 160875-66-1, 102-71-6, 2634-33-5	liquid	>480
Oratartre-962	7647-01-0; 7664-93-9; 68424-85-1	liquid	240
Parathion	56-38-2	liquid	0
Pentadecafluorooctanoic acid (perfluorooctanoic acid) and its inorganic salts	335-67-1	solid	>480
petroleum	64742-48-9	liquid	60
Phenol	108-95-2	solid	30
Phosphoric acid 10%	7664-38-2	liquid	>480
Phosphoric acid saturated	7664-38-2	liquid	>480
Propyl alcohol (1-propanol)	71-23-8	liquid	>480
Propylene oxide (1,2-epoxypropane)	75-56-9	liquid	0
Mercury	7439-97-6	solid	>480
SODIUM HYDROXIDE SOLUTION ≥ 19 - <22%	1310-73-2	liquid	>480
SOSA C 32%	1310-73-2	liquid	>480
SOSA C TEC PERLAS	1310-73-2	solid	>480
Nitric acid 10%	7697-37-2	liquid	>480
Nitric acid 36%	7697-37-2	liquid	50
Nitric acid 50%	7697-37-2	liquid	40
Nitric acid 55% (technical)	7697-37-2	liquid	12
Nitric acid 65%	7697-37-2	liquid	15
Nitric acid 70%	7697-37-2	liquid	12
Hydrochloric acid 10%	7647-01-0	liquid	>480
Hydrochloric acid 25%	7647-01-0	liquid	240
Hydrochloric acid 30–32%	7647-01-0	liquid	80
Sulfuric acid 20%	7664-93-9	liquid	>480
Sulfuric acid 37.5% (battery acid)	7664-93-9	liquid	>480
Sulfuric acid 38%	7664-93-9	liquid	>480
Sulfuric acid 45%	7664-93-9	liquid	>480
Sulfuric acid 50%	7664-93-9	liquid	>480
Sulfuric acid 50% (for analysis)	7664-93-9	liquid	>480
Sulfuric acid 92-98.6%	7664-93-9	liquid	10
Sulfuric acid 96%	7664-93-9	liquid	26

Selenium and its inorganic compounds	7782-49-2	solid	>480
Styrene	100-42-5	liquid	15
Tekodur Hardener 7323-03 Colourless	666723-27-9; 28182-81-2; 108-65-6	liquid	30
Tetrachloroethylene	127-18-4	liquid	30
Tetraethyllead	78-00-2	liquid	0
Tetrahydrofuran	109-99-9	liquid	0
Tetramethyllead	75-74-1	liquid	0
Toluene	108-88-3	liquid	4
Trichloroethylene (Tri)	79-01-6	liquid	10
Triethylamine	121-44-8	liquid	30
Vitamin K antagonists	-	solid	>480
Volts Cleaner	64742-48-9, 8028-48-6	liquid	30
Hydrogen peroxide 10%	7722-84-1	liquid	>480
Hydrogen peroxide 20%	7722-84-1	liquid	>480
Hydrogen peroxide 3%	7722-84-1	liquid	>480
Hydrogen peroxide 30%	7722-84-1	liquid	>480
Xylene	1330-20-7	liquid	12
cement	65997-15-1	solid	>480
citric acid	77-92-9	liquid	>480
n-Heptane	142-82	liquid	103
Ácido sulfúrico	7664-93-9	liquid	10

Explanations

Permeation time in minutes	Recommendation
0 - 10	Not recommended
10 - 60	Low protection / splash guard
60 - 240	Medium protection
240 - 480	High protection

The list is a recommendation for the use of the NITRAS chemical protective gloves shown. The protective gloves were tested under laboratory conditions using selected chemicals (permeation times in minutes). In this context, it should be noted that the performance of personal protective equipment generally depends on the conditions at the respective workplace. The specified permeation times are therefore a recommendation and can be influenced by situation- and workplace-specific factors (e.g. concentration/mixture of chemicals, UV radiation, humidity, temperatures, type of storage, abrasion, intensity of use, skin protection/skin care products used). All information without guarantee.