

NORTH LIQUID & CHEMICAL-RESISTANT GLOVES

BUTYL

NORTH- UNSUPPORTED BUTYL GLOVES

Last Updated – (June 2013)



GENERAL INFORMATION		DIMENSIONS	
Base Material	Butyl rubber	Glove Lengths	11 in or 14 in (28cm or 35cm)
Material Color	Black	Glove Thicknesses (mil)	7, 13, 14, 16, 17, 20, 25, 32
Surface Finish	Smooth grip or Rough grip	Sizes (non-GI styles)	7, 8, 9, 10, 11
		Sizes (GI styles)	XS, S, M, L, XL
Cuff Style	Rolled Bead	Country of Origin	United States

PRODUCT FEATURES

- Highest permeation resistance to vapors and gases.
- Highly resistant to ketones (MEK, MIBK, acetone) and esters (tricresyl phosphate, amyl acetate, ethyl acetate) ozone and oxidizing chemicals such as alcohols, alkalis, hydrogen peroxide, and acids.
- Particularly suited to applications involving highly toxic chemical hazards such as chemical weapons
- Soft flexible feel, even at low temperatures reduces hand fatigue and enhances worker comfort.
- GI (Government Industrial) styles have curved hand and finger design for enhanced comfort and grip

APPLICATIONS

Aircraft maintenance, chemical handling and processing, laboratory applications, domestic preparedness, Hazmat work, general solvent handling.

CERTIFICATIONS / STANDARDS

OSHA Standard - 29 CFR 1915.157 The employer shall ensure that each affected employee uses appropriate hand protection and other protective clothing where there is exposure to hazards such as skin absorption of harmful substances, severe cuts or lacerations, severe abrasions, punctures, chemical burns, thermal burns, harmful temperature extremes, and sharp objects.

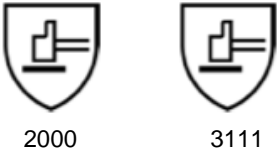
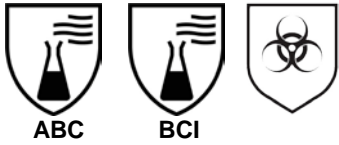
21 CFR 177: Complies with USDA and FDA regulations for food contact

NORTH® HAND PROTECTION – Technical Data Sheet

BUTYL PART NUMBERING eg; B144RGI/size A glove

B	14	4	R	GI	/size	A
Material (Butyl)	Nominal thickness (14 mil)	Glove length (14 inches)	Grip Surface Finish (Rough)	Special Form Designation (GI)	Size	EC Certification Reference, A

PART NUMBER	SURFACE FINISH	MARKED SIZES	LENGTH	THICKNESS
B074GI A	Smooth	XS-XL	14 ± 0.5in (35.5 ± 1.3cm)	0.15 to 0.30mm (0.006 to 0.012 in)
B131 A	Smooth	7-11	11 ± 0.5in in (28 ± 1.3cm)	0.2 to 0.61mm (0.008 to 0.024 in)
B131R A	Rough	7-11	11 ± 0.5in in (28 ± 1.3cm)	0.2 to 0.86mm (0.008 to 0.034 in)
B144GI A	Smooth	XS-XL	14 ± 0.5in (35.5 ± 1.3cm)	0.25 to 0.64mm (0.008 to 0.024 in)
B144RGI A	Rough	XS-XL	14 ± 0.5in (35.5 ± 1.3cm)	0.25 to 0.89mm (0.010 to 0.035 in)
B161 A	Smooth	7-11	11 ± 0.5in in (28 ± 1.3cm)	0.25 to 0.69mm (0.010 to 0.027 in)
B161R A	Rough	7-11	11 ± 0.5in in (28 ± 1.3cm)	0.25 to 0.94mm (0.010 to 0.037 in)
B174 A	Smooth	8-11	14 ± 0.5in (35.5 ± 1.3cm)	0.28 to 0.71mm (0.011 to 0.028 in)
B174R A	Rough	8-11	14 ± 0.5in (35.5 ± 1.3cm)	0.30 to 0.97mm (0.012 to 0.038 in)
B174GI	Smooth	XS-XL	14 ± 0.5in (35.5 ± 1.3cm)	0.28 to 0.71mm (0.011 to 0.028 in)
B204 A	Smooth	8-11	14 ± 0.5in (35.5 ± 1.3cm)	0.36 to 0.79mm (0.014 to 0.031 in)
B254GI A	Smooth	XS-XL	14 ± 0.5in (35.5 ± 1.3cm)	0.46 to 0.91mm (0.018 to 0.036 in)
B324 A	Smooth	8-11	14 ± 0.5in (35.5 ± 1.3cm)	0.48 to 1.09mm (0.019 to 0.043 in)
B324R A	Rough	8-11	14 ± 0.5in (35.5 ± 1.3cm)	0.56 to 1.35mm (0.022 to 0.053 in)

	TEST METHOD	LEVEL			TEST RESULT
		7 mil	13-25 mil	32 mil	
CE Certified EN420, EN388 No EN388 claim for 7 mil 	EN388:2003	7 mil	13-25 mil	32 mil	
	Abrasion	0	2	3	Level 2 ≥ 500 cycles Level 3 ≥ 2000 cycles
	Cut	0	0	1	Level 1 ≥ 1.2 index
	Tear	0	0	1	Level 1 ≥ 10 newtons
	Puncture	0	0	1	Level 1 ≥ 20 newtons
CE Certified EN374 	EN374-1:2003				Breakthrough Time
	Methanol (A)	6	6	6	> 8 hrs
	Acetone (B)	6	6	6	> 8 hrs
	Acetonitrile (C)	6	6	6	> 8 hrs
	Ethyl Acetate (I)		3	6	Level 3 > 60 min, Level 6 > 8 hrs
	EN374-2:2003				
	Resistance to Penetration	3			(Inspection level G1, AQL ≤ 0.65)
Physical Properties according to ASTM D412	Tensile Strength				12.4 Mpa (1800 psi) min
	Ultimate Elongation				600% min
	200% Tension Stress				2.24 Mpa (325 psi) max

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LAUNDERING / STORAGE

Chemical resistant gloves are not designed for laundering.

Four year shelf life when stored in original packaging in a cool dry place away from light. Recommended temperature range: 50°F to 86°F (10°C to 30°C).

WARRANTY

Honeywell products are covered by and subject to the terms of the Honeywell Safety Products Limited Warranty that is printed in our published price list. The Honeywell Safety Products Limited Warranty is the only written warranty of any force and effect, and all other written warranties are disclaimed in their entirety. In no event shall Honeywell Safety Products or any of its authorized dealers be liable for any damages in excess of the purchase price of the relevant product. This limitation applies to damages of any kind, including but not limited to direct or indirect damages or other special, incidental exemplary or consequential damages, whether arising out of the use or inability to use the product, even if we or any of our authorized dealers has been advised of the possibility of the damages or any claim by any other party. Servicing of any product with parts not approved by us will void the warranty and may result in loss of any certification or approval applicable to the product.



WARNINGS

*Extreme caution should be used around moving machinery.

**Cleaning gloves that have been in contact with toxic or corrosive chemicals may result in a chemical reaction, including fumes that could cause personal injury, serious illness, or death.