

## NORTH CONTROLLED ENVIRONMENT GLOVES

### BUTYL NORTH- CHEMICAL RESISTANT GLOVE BOX GLOVES

Last Updated – (February 2017)



GENERAL INFORMATION		DIMENSIONS	
Base Material	Butyl rubber	Cuff Style	Rolled Bead
Material Color	Black	Bead Diameter:	3.2 to 6.4mm (0.125 to 0.25in)
Surface Finish	Smooth	Standard Lengths	30in, 32in (+/- 1in)
Country of Origin	United States	Film Thickness 15mil styles	0.28 to 0.66 mm (0.011 to 0.026 in)
Case Pack	1 or 2 pair/box	Film Thickness 30mil styles	0.51 to 1.12mm (0.020 to 0.044in)

AVAILABLE HAND SIZES		
Port Diameter, inches	Hand Specific (RH/LH)	Ambidextrous
5	9Q (9 ¾), 10H (10 ½)	9Q (9 ¾)
6	9Q (9 ¾)	9Q (9 ¾)
7	9Q (9 ¾)	8H (8 ½), 9Q (9 ¾), 10H (10 ½)
8	8H (8 ½), 9Q (9 ¾), 10H (10 ½), 11H (11 ½)	9Q (9 ¾), 10H (10 ½)
10		9Q (9 ¾)

#### 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.
- Custom lengths between 24in and 36in (+/1 in) available

#### APPLICATIONS



Glove box operations in the pharmaceutical, biotechnical, semi-conductor, nuclear, defense, and manufacturing industries.

# NORTH® HAND PROTECTION – Technical Data Sheet

## 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

	TEST METHOD	LEVEL		TEST RESULT	
CE Certified EN420, EN388  0000      3111	EN388:2003	15 mil	30 mil	15 mil	30 mil
	Abrasion	0	3		≥ 2000 cycles
	Cut	0	1		≥1.2 index
	Tear	0	1		≥ 10 newtons
	Puncture	0	1		≥20 newtons
CE Certified EN374  BCI	EN374-1:2003			Breakthrough Time 15 mil	Breakthrough Time 30 mil
	Acetone	6	6	> 8 hrs	>8 hrs
	Acetonitrile	6	6	> 8 hrs	>8 hrs
	Ethyl acetate	3	6	> 60 min	>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			2.2 Mpa (325 psi) max	

## 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).

## GLOVE BOX PART NUMBERING

8	B	15	32	A	/9Q	Ref 2
Port diameter (in)	Material B = Butyl	Nominal thickness (mil)	Nominal length (in)	Hand specificity A = ambidextrous No letter = RH/LH pr	Size (9 ¾)	EC Certification Reference, Ref 2

## 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.

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