



## Technical Data Sheet

### Permatex® Blue 4 mil Disposable Nitrile Gloves

#### PRODUCT DESCRIPTION

Permatex® Blue 4 mil Nitrile Disposable Gloves are made from a 100% synthetic rubber that provides superior resistance to a wide range of solvents and hazardous chemicals. Nitrile gloves are an alternative for users with latex sensitivity. Permatex® Blue 4 mil Disposable gloves feature textured fingers that provide a secure grip on dirty parts and tools. Lightly powdered, the gloves are easy to put on and take off. When superior chemical resistance is required, Permatex® Blue 4 mil Nitrile Disposable Gloves provide mechanics with ideal heavy-duty hand protection.

#### PRODUCT BENEFITS

- Comfortable
- Chemical Resistant
- Textured Fingers
- Lightly Powdered
- Fits either hand
- Beaded cuff
- No Natural Rubber Latex Proteins

#### TYPICAL APPLICATIONS

- Permatex Blue 4 mil Nitrile Disposable Gloves offer protection from greases, fuels, oils and many other types of solvents and acids.

#### PHYSICAL CHARACTERISTICS

##### Glove Dimensions:

Part Number	Length, inches (mm) Nominal	Palm Width, inches (mm) Nominal
09184	9.8 (250)	3.7 (95)
09185	9.8 (250)	4.3 (110)
09186	9.8 (250)	4.7 (120)

##### Thickness, mils (mm) Nominal

Finger	5.1 (0.13)
Palm	4.3 (0.11)
Cuff	3.9 (0.10)

##### Physical Properties

Tensile Strength, PSI (Mpa), Minimum	2030 (14)
Elongation, %, Minimum	500

##### Specifications

Sterility:	Non-Sterile
Intended Use:	Automotive, Industrial
Basic Material:	Nitrile Butadiene Rubber

FDA Status:	None
Material Safety Data	
Product:	Nitrile industrial gloves
IATO/IACO	Not Restricted
Hazard Rating:	Not Restricted
D.O.T. Rating:	Not Restricted

Fire and Explosion	
Stability:	Stable
Flash Point:	Not applicable
Extinguishing Data:	Foam, Carbon Dioxide, Water

Normal Precautions	
Ventilation:	Not necessary under normal conditions.
Equipment:	Not necessary
Spill/Cleanup:	Not applicable
Eyes:	Not applicable
Storage:	No special precautions necessary

#### Nitrile Chemical Resistance Guide

Acetic Acid	G	Mineral Spirits	G
Acetone	F	Motor Oil	E
Ammonium Hydroxide	G	Naphtha	F
Butyl Cellosolve	E	Perchloroethylene	F
Ethyl Alcohol	G	Sodium Hydroxide	E
Ethylene Glycol	E	Starting Fluid (Ethyl Ether)	F
Gasoline	F	Stoddard Solvent	E
Hydrochloric Acid (10%)	E	Sulfuric Acid	E
Isopropyl Alcohol	G	Synthetic Oil	E
Kerosene	E	Toluene	F
Methyl Alcohol	P	Turpentine	G
Mineral Oil	E	Xylene	F

E=Excellent G=Good F=Fair P=Poor

#### GENERAL INFORMATION

Components used in the making of these gloves may cause allergic reactions in some people. Do not use if you know or suspect that you are sensitive to Nitrile without first consulting a physician. If allergic reactions do occur, discontinue use immediately and consult with a physician. These gloves are not made from natural rubber latex. According to a NIOSH (National Institute for Occupational Safety and Health) Alert, use of non-natural rubber latex gloves (such as Nitrile) is an effective method of preventing allergic reactions to natural rubber latex in the workplace. NIOSH recommends the use of nonlatex gloves (such as Nitrile) for activities such as automotive, antibody, aircraft service and certain kinds of laboratory work.

This product is not intended to protect against all chemical compounds. The user should determine the proper glove for a given application. Do not use for protection in a chemical emergency, in fire-fighting applications, against cryogenic agents, or in flammable or explosive atmospheres, as these gloves may burn.

#### ORDERING INFORMATION

Part Number	Size
09184	100-ct. Box - Medium
09185	100-ct. Box - Large
09186	100-ct. Box - X-Large

#### STORAGE

Products shall be ideally stored in a cool, dry location in unopened containers at a temperature between 8° and 28°C (46° and 82°F) unless otherwise labeled. Optimal storage is at the lower half of this temperature range.