






Protective against dangerous chemicals and micro-organisms

European Standard	Pictogram	Performance Ranking	Description																																																																												
EN 374-1:2016 Terminology and performance requirements for chemical risks	EN ISO 374-1:2016/Type A  xxxxxx	Type A Minimum breakthrough time for at least 6 reference chemicals >30 min.	List of 18 test (or "reference") chemicals which are used for glove classification <table border="1"> <thead> <tr> <th>Code Letter</th> <th>Chemical</th> <th>CAS number</th> <th>Class</th> </tr> </thead> <tbody> <tr><td>A</td><td>Methanol</td><td>67-56-1</td><td>Primary alcohol</td></tr> <tr><td>B</td><td>Acetone</td><td>67-64-1</td><td>Ketone</td></tr> <tr><td>C</td><td>Acetonitrile</td><td>75-05-8</td><td>Nitrile compound</td></tr> <tr><td>D</td><td>Dichloromethane</td><td>75-09-2</td><td>Chlorinated paraffin</td></tr> <tr><td>E</td><td>Carbon disulphide</td><td>75-15-0</td><td>Organic compound containing sulphur</td></tr> <tr><td>F</td><td>Toluene</td><td>108-88-3</td><td>Aromatic hydrocarbon</td></tr> <tr><td>G</td><td>Diethylamine</td><td>109-89-7</td><td>Amine</td></tr> <tr><td>H</td><td>Tetrahydrofuran</td><td>109-99-9</td><td>Heterocyclic and ether compound</td></tr> <tr><td>I</td><td>Ethyl acetate</td><td>141-78-6</td><td>Ester</td></tr> <tr><td>J</td><td>n-heptane</td><td>142-82-5</td><td>Saturated hydrocarbon</td></tr> <tr><td>K</td><td>40 % Sodium hydroxide</td><td>1310-73-2</td><td>Inorganic base</td></tr> <tr><td>L</td><td>96 % Sulphuric acid</td><td>7664-93-9</td><td>Inorganic mineral acid</td></tr> <tr><td>M</td><td>65 % nitric acid</td><td>7697-37-2</td><td>Inorganic mineral acid</td></tr> <tr><td>N</td><td>99 % acetic acid</td><td>64-19-7</td><td>Organic acid</td></tr> <tr><td>O</td><td>25 % ammonium hydroxide</td><td>1336-21-6</td><td>Organic base</td></tr> <tr><td>p</td><td>30 % hydroperoxide</td><td>7722-84-1</td><td>Peroxide</td></tr> <tr><td>S or Q</td><td>40 % hydrofluoric acid</td><td>7664-39-3</td><td>Inorganic mineral acid</td></tr> <tr><td>T or R</td><td>37 % formaldehyde</td><td>50-00-0</td><td>Aldehyde</td></tr> </tbody> </table> The "reference chemicals" shall be identified by their code letter under the flask pictogram	Code Letter	Chemical	CAS number	Class	A	Methanol	67-56-1	Primary alcohol	B	Acetone	67-64-1	Ketone	C	Acetonitrile	75-05-8	Nitrile compound	D	Dichloromethane	75-09-2	Chlorinated paraffin	E	Carbon disulphide	75-15-0	Organic compound containing sulphur	F	Toluene	108-88-3	Aromatic hydrocarbon	G	Diethylamine	109-89-7	Amine	H	Tetrahydrofuran	109-99-9	Heterocyclic and ether compound	I	Ethyl acetate	141-78-6	Ester	J	n-heptane	142-82-5	Saturated hydrocarbon	K	40 % Sodium hydroxide	1310-73-2	Inorganic base	L	96 % Sulphuric acid	7664-93-9	Inorganic mineral acid	M	65 % nitric acid	7697-37-2	Inorganic mineral acid	N	99 % acetic acid	64-19-7	Organic acid	O	25 % ammonium hydroxide	1336-21-6	Organic base	p	30 % hydroperoxide	7722-84-1	Peroxide	S or Q	40 % hydrofluoric acid	7664-39-3	Inorganic mineral acid	T or R	37 % formaldehyde	50-00-0	Aldehyde
	Code Letter	Chemical		CAS number	Class																																																																										
	A	Methanol		67-56-1	Primary alcohol																																																																										
B	Acetone	67-64-1	Ketone																																																																												
C	Acetonitrile	75-05-8	Nitrile compound																																																																												
D	Dichloromethane	75-09-2	Chlorinated paraffin																																																																												
E	Carbon disulphide	75-15-0	Organic compound containing sulphur																																																																												
F	Toluene	108-88-3	Aromatic hydrocarbon																																																																												
G	Diethylamine	109-89-7	Amine																																																																												
H	Tetrahydrofuran	109-99-9	Heterocyclic and ether compound																																																																												
I	Ethyl acetate	141-78-6	Ester																																																																												
J	n-heptane	142-82-5	Saturated hydrocarbon																																																																												
K	40 % Sodium hydroxide	1310-73-2	Inorganic base																																																																												
L	96 % Sulphuric acid	7664-93-9	Inorganic mineral acid																																																																												
M	65 % nitric acid	7697-37-2	Inorganic mineral acid																																																																												
N	99 % acetic acid	64-19-7	Organic acid																																																																												
O	25 % ammonium hydroxide	1336-21-6	Organic base																																																																												
p	30 % hydroperoxide	7722-84-1	Peroxide																																																																												
S or Q	40 % hydrofluoric acid	7664-39-3	Inorganic mineral acid																																																																												
T or R	37 % formaldehyde	50-00-0	Aldehyde																																																																												
EN ISO 374-1:2016/Type B	 xxx	Type B Minimum breakthrough time for at least 3 reference chemicals >30 min.																																																																													
EN ISO 374-1:2016/Type C	 x	Type C Minimum breakthrough time for one reference chemical >10 min.																																																																													
EN 374-2:2014 Determination of resistance to penetration	no official pictogram	Level 1: AQL of 4.0 Level 2: AQL of 1.5 Level 3: AQL of 0.65	Tested for protection against liquid penetration and micro-organisms. Freedom from holes tested by air or water leak test for Acceptable Quality Level (AQL). PPE Gloves must be at least Level 2.																																																																												
EN 16523-1 :2015 Permeation by liquid chemicals under conditions of continuous contact	no official pictogram	Level 1: >10 min Level 2: >30 min Level 3: >60 min Level 4: >120 min Level 5: >240 min Level 6: >480 min	Performance Levels which describes the resistance to permeation by chemicals. Chemical Breakthrough is the time from the start of the test to the time the chemical is detected moving through the material at a defined rate of 1 µg per cm ² per minute. Three measurements are taken and the minimum breakthrough time is stated.																																																																												
EN 374-4:2013 Determination of resistance to degradation by chemicals	no official pictogram	no performance requirements	Degradation is the change of puncture resistance after chemical contact with the claimed "reference chemicals" noted below the pictogram of EN 150374-1.																																																																												
EN 374-5:2016 Terminology and performance requirements for micro-organisms risks	EN ISO 374-5:2016 	Minimum AQL of 1.5	Protection against bacteria and fungi.																																																																												
	EN ISO 374-5:2016  VIRUS	< 1 PFU* within Assay titer *Plaque-Forming Unit	ISO 16604:2004 (part B) Clothing for protection against contact with blood and body fluids - Determination of resistance of protective clothing materials to penetration by blood-borne pathogens - Test method using Phi-X 174 bacteriophage.																																																																												



Gloves per case	10X100
Gloves Type	Nitrile
Type	Powder-free, ambidextrous, single-use, non-sterile, accelerator free
Colour	Blue
Cuff	Beaded
Texture	Fingers
Weight (g)	4.2
Length (mm)	240
Cuff Thickness (mm)	0.07
Palm Thickness (mm)	0.08
Finger Thickness (mm)	0.11
Minimum Elongation before Aging (%)	500
Elongation before Aging (%)	400
Tensile Strength before Aging (MPa)	14
Tensile Strength after Aging (MPa)	14
Force at Break before Aging (N)	7.1
Force at Break after Aging (N)	7.3
Shelf Life (years)	3
AQL	1.5
PPE EU Regulation 2016/425	Personal Protective Equipment (PPE) Category III
MDD 93/42/EEC	Medical Device Class I
EN420	In compliance, Sizing for special purpose
EN374-1	Type B
EN374-2	Level 3
EN16523-1	In compliance, permeation by liquid chemicals
EN 374-4	In compliance, determination of resistance to degradation
EN 374-5	In compliance, requirements for micro-organism risks + viruses
EN455	In compliance with Parts 1,2,3, medical gloves for single use
ISO 11193-1	In compliance, single-use medical examination gloves
ISO 21171/ASTM D6124	In compliance, determination of removable surface powder
ISO 16604	In compliance, protection against penetration by blood borne-pathogens
ASTM D6319	✓
ASTM D6978-05	Not Chemo rated
Regulation (EC) No 1935/2004	In compliance, materials and articles intended to come into contact with food