

Permeation and Service Life Test Results

Facepiece Permeation Test Results:

The 54400 Series Gas Mask provides protection against Sarin (GB) and Mustard (HD) Vapor, and limited protection of 20 minutes against Liquid Mustard.

Cartridge Service Life:

Challenge Agent	Conditions	Service Life (Minutes)
Carbon Tetrachloride	NIOSH APR Standard, 42 CFR, Part 84	> 60
Sulfur Dioxide	NIOSH CBRN Full Facepiece APR Standard	> 20
Hydrogen Sulfide	NIOSH CBRN Full Facepiece APR Standard	> 60
CS/CN (Tear Gas)	NIOSH CBRN Full Facepiece APR Standard	>600
Cyclohexane (Tear Gas surrogate)	NIOSH CBRN Full Facepiece APR Standard	> 15
DMMP (Mustard and Sarin surrogate)	US Army MIL-PRF 51560A (for C2A1)	> 60
CK (Cyanogen chloride)	US Army MIL-PRF 51560A (for C2A1)	> 30
Particulates	NIOSH CBRN Full Facepiece APR Standard	Maximum DOP penetration of .009%.

Speech Transmission:

North's 54401 Series Gas Mask was tested to the CBRN APR Standard, 42 CFR Part 84, paragraph 4.6. The communications requirement is met if the overall performance rating is greater than or equal to 70%. Tests yielded overall performance ratings greater than 90%.

Ordering Information:

Part #	Size	Description	Pcs./Pkg.	Pkg./Case
54401NBC	M/L	Gas Mask with 40NBC Canister	1	1
54401SNBC	Small	Gas Mask with 40NBC Canister	1	1
40NBC		40mm NBC Canister	4	4
Accessories for the 54400 Series Gas Mask				
760023		Eye glass frame with suction cup (metal, no lenses)	1	1
760024		Eye glass frame with support wire (metal, no lenses)	1	1