

DEMRON™
ICE



DEMRON ICE MULTI USE SUIT

With Patented Self-Cooling Fabric Provides Highest Protection from
Viral, Biological, Chemical Threats and Heat Stress

ISO 9001
ISO 13485
ISO 8194
CERTIFIED

RT 
Technologies

SECTION 7.1.2.1
WARFARE AGENT CHEMICAL PERMEATION RESISTANCE
(TEST CONDUCTED AT AVARINT, LOCATED IN BUFFALO, NY)



NFPA TEST REPORT

Method: NFPA 1994, Class 1 (2018 ed)		Customer: Intertek	
Material ID: Radiation Shield Tech G103707701 CRT1902011100-001		3933 US Route 1 Cortland, NY 13045	
Material Type: Demron Ice Material			
Test Date: 2/9/2019		Report Date: 2/11/2019	
Test Trial Summary Information			
Test Trial: A0026-99	Chemical: GD		DCR Response: 107%
Test Duration: 60 minutes	Relative Humidity: 78.5%		Detection Limit: 0.05 $\mu\text{g}/\text{cm}^2$
Temperature: 90.3°F	Pass Criteria: <0.43 $\mu\text{g}/\text{cm}^2$ (15 min); 1.25 $\mu\text{g}/\text{cm}^2$ (60 min)		
Test Results			
Demron Ice Material			
Avarint Sample Control Number	Sample Type	Permeation ($\mu\text{g}/\text{cm}^2$)	
		t = 15 min	t = 60 min
A0026-2081	Replicate 1	ND	0.16
A0026-2082	Replicate 2	ND	0.13
A0026-2083	Replicate 3	ND	0.18
A0026-2084	Neg. Ctrl	ND	ND
Pos. Ctrl	Average recovery (%)	58%	ND
Avarint Sample Control Number	Sample Type	Permeation ($\mu\text{g}/\text{cm}^2$)	
		t = 15 min	t = 60 min
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		t = 15 min	t = 60 min

Permeation results that are below the detection limit are reported as non-detect (ND).

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