

2004 American Gas Association Demo Man 8 Second Burn Test Results

Test Reference Number	Date Control #	Coverall Type	Short Sleeve	Long Sleeve	Pants	Long Johns	Head Protection	Hand Protection	Boots	Total Burn Injury	% 2nd Burn	% 3rd Burn	Test Duration	% Legs	% Arms	% Trunk	% Neck	% Head	COMMENTS	
1	9/2/2002 Demoman 4 burners only	worn & laundered NWN natural 10oz B-Gear	cotton LAB Issued		NONE		Scott-O-Vista PBI Hood	pigskin gloves	yes	29%	21	8	5 sec	7% - 3rd 21	1% - 3rd 6	1	0	0	Pant legs not closed nor end of sleeves	
	Below are Thermoman 12 burners tests																			
2	11/21/02	worn & laundered NWN natural 10oz B-Gear	issued orange cotton		12-14 opsy cotton		Scott-O-Vista PBI Hood	pigskin gloves	yes	25%	15	10	5 sec	0	10% - 3rd 14	3	2	Crown Head 6	single layer PBI	
3	11/21/02	worn & laundered NWN natural 10oz B-Gear	issued orange cotton		14 opsy cotton		Scott-O-Vista PBI Hood	pigskin gloves	yes	45%	29	16	8 sec	2% - 3rd 6	11% - 3rd 20	3% - 3rd 13	0	Crown Head 1% - 3rd rear 6	single layer PBI	
10	7/3/03	Gray natural enhanced 9.5 washed 10 times E89 Rt arm Monoquilt Lt arm, E89 collar, No lining on the back	issued orange cotton		14 opsy cotton		Scott-O-Vista Insulated PBI Hood	OMP glove with strap		53%	37	16	8 sec	Front 6.5% - 2nd Rear 4.5% - 2nd .5% - 3rd 11.5	Front 6% - 2nd 1% - 3rd Rear 4% - 2nd 3.5% - 3rd 14.5	Front 6% - 2nd .5% - 3rd Rear 8.5% - 2nd 4.5% - 3rd 19.5	Front 2% - 3rd Rear 2% - 3rd 4	Front 1.5% - 2nd 1% - 3rd Rear 1% - 3rd 3.5	PBI Insulated sock Aramid liner	
11	7/3/03	Yellow natural Coverall, Insulated monoquilt washed 1 time nylon webbing body harness inside	issued orange cotton		14 opsy cotton		Scott-O-Vista E89 insulated Aramid Hood	OMP glove with out strap		20%	15	5	8 sec	Front .5% - 2nd Rear .5% - 2nd 1	Front 4% - 2nd Rear 3% - 2nd 2.5% - 3rd 9.5	Front 2% - 2nd Rear 2% - 2nd 4	Front 1.5% - 3rd Rear 1% - 2nd 2.5	Zero % Crown Front 1% - 3rd Rear 2% - 2nd 3	Aramid E89 insulation Aramid liner	
5	11/2/02	NEW NWN Aramid 7.5oz B-Gear design	cotton NWN Issued		14 opsy cotton		Scott-O-Vista PBI Hood	pigskin gloves	yes	46%	26	20	8 sec	7	6% - 3rd 15	9% - 3rd 15	4% - 3rd 5	Crown Head 1% - 3rd 4	single layer PBI	
12	7/3/03	Blue Aramid Coverall 7.5 Washed 10 times, body harness	issued orange cotton	Long Sleeve Aramid IIIA turtle neck	14 opsy cotton		Scott-O-Vista E89 insulated Aramid Hood	OMP glove with out strap		17%	11	6	8 sec	Rear 1% - 2nd 1	Front 2% - 2nd 5% - 3rd Rear 1% - 2nd 2% - 3rd 5.5	Rear 1% - 2nd 1	Front .5% - 3rd Rear .5% - 2nd 1	Front 4% - 2nd .5% - 3rd Rear 3% - 2nd 1% - 3rd 8.5	Aramid E89 insulation Aramid liner	
13	7/3/03	Green Aramid Coverall 7.5 washed 10 times lined E89 body harness	issued orange cotton		14 opsy cotton		Scott-O-Vista Monoquilt insulated Aramid Hood	OMP glove with out strap		7%	5	2	8 sec	0	Front .5% - 2nd Rear .5% - 2nd 1	0	Front .5% - 3rd Rear .5% - 3rd 1	Front 1.5% - 2nd 1% - 3rd Rear crown 2.5% - 2nd 5	Aramid Monoquilt insulation Aramid liner	
14	11/29/03	Yellow Aramid IIIA Coverall, Thermo Barrier Q9 nylon webbing body harness inside, Laynard KEVLAR with FR reflective tape	issued orange cotton		14 opsy cotton		Scott-O-Vista Aramid insulated w/Q9 with PBI outer- 12" apron Q9 front insulated	pigskin gloves		7%	7%	0	8 sec	0	Front 2.5% - 2nd Rear 2.5% - 2nd 5	0	0	2%	E89 performed better than the Q9 Head burn was attributed to respirator leak	
15	11/29/03	Yellow Aramid IIIA Coverall, Thermo Barrier Q9 nylon webbing body harness inside, Laynard KEVLAR no FR reflective tape	issued orange cotton		14 opsy cotton		Scott-O-Vista Aramid insulated w/Q9 with PBI outer- 12" apron Q9 front insulated	pigskin gloves		3%	3%	0	8 sec	0	Front 1% - 2nd Rear 2% - 2nd 3	0	0	0	E89 performed better than the Q9	
16	5/1/2004 DEMO MAN AGA	Yellow Aramid IIIA Coverall, Thermo Barrier Q9 nylon webbing body harness inside, Laynard KEVLAR no FR reflective tape	issued orange cotton		14 opsy cotton		Aramid insulated w/Q9 with PBI outer- NOMEX knit inner with 12" apron & Q9 front insulated	pigskin gloves		0%	0%	0%	8 sec	0%	0%	0%	0%	0%	0%	no second nor third degree burns