

	NOMEX® Comfortwear	NOMEX® IIIA			KEVLAR®/PBI® WEIGHTS	Indura®		Indura® Ultrasoft™	
	4.5 oz/yd²	4.5 oz/yd²	6.0 oz/yd²	7.5 oz/yd²	4.5 oz/yd²	7.0 oz/yd²	9.0 oz/yd²	7.0 oz/yd²	9.5 oz/yd²
Durability									
Trap Tear, lb_f (warp/fill)	18/10	40/18	50/31	59/35	17/19	9/11	14/13	12/8	17/11
Taber Abrasion¹									
CS-10 (1000g)	372	578	734	1475	482	441	718	915	1226
H-18 (500g)	92	92	146	304	129	91	120	157	201
Grab Strength, lb_f (warp/fill)	87/47	217/116	287/167	317/266	149/107	143/95	191/131	114/65	165/126
Laundry Shrinkage² (%)	1.5	1.9	N/A	N/A	1.1	7.6	N/A	N/A	N/A
Comfort									
Vertical Wicking (Inches @ 10 minutes, average of warp/fill) Note: maximum is 5"	4	4	5	4	2	4	4	4	4
Air Permeability (cfm/ft²)	179	239	83	56	143	45	16	32	12
Thermal Protection									
Vertical Flame Char Length (in.) , (warp/fill)	2.2/2.2	2.7/3.0	2.9/3.0	1.5/1.5	0.6/0.8	3.7/3.8	3.5/3.5	5.0/5.0	3.7/3.9
Instrumented Thermal Mannequin (% total predicted body burn) ⁴									
3 sec@ 2 cal/cm²sec	N/A	38.0	29.0	19.3	31.0	N/A	8.3	N/A	8.7
4 sec@ 2 cal/cm²sec	48.3	51.7	44.3	36.7	N/A	N/A	80.0	75 ³	81.7
5 sec@ 2 cal/cm²sec	N/A	N/A	58.0	53.3	N/A	N/A	80.0	N/A	90.7

¹ Cycles to failure

² 50X industrial launderings, identical style coveralls used. Reported value is average change in length of leg inseam before and after launderings (right and left legs.)

³ 3.5 seconds exposure at 2 cal/cm²

⁴ Average of three burns. Standard pattern coveralls. Tested with cotton underwear. (T-shirt and briefs)

Product safety information is available upon request

This information corresponds to our current knowledge on the subject. It is offered solely to provide possible suggestions for your own experiments. It is not intended, however, to substitute for any testing you may need to conduct to determine for yourself the suitability of our products for your particular purposes. This information may be subject to revision as new knowledge and experience becomes available. Since we cannot anticipate all variations in actual end-use conditions, DUPONT MAKES NO WARRANTIES AND ASSUMES NO LIABILITY IN CONNECTION WITH ANY USE OF THIS INFORMATION. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent right.

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