



CORE TECHNOLOGIES

REV 7

1-Feb-11

Product list

TTI STYLE #	Fiber	Denier	Fabrics	Orientation	Aerial Density		Thickness (inches)	V-50		QC		WIDTH (inches)
					OSY	PSF		9mm	STD	9mm	WGT psf	
8304	Kevlar 129	840d	Sentinal	1 felt / 8 Sentinal	35.3	0.245	0.110	1235		1235	0.48	63
8311	Kevlar	1420	PW (13x13)	1 felt / 10 (1420)	55.0	0.38194	0.130	1425	25	1350	0.76	63
8331	Kevlar	1420	PW (13x13)	1 felt / 20 (1420) / 1felt	110.0	0.76389	0.240	1543	33	1444	0.76	63
8729	Kevlar XLT	600d	PW	1 felt / 9 PW	38.0	0.26389	0.100	1229	11	1196	0.76	63
8535	Kevlar XLT	800d	PW (18x18)	1 felt / 9 PW	38.0	0.26389	0.100	1475	16	1427		63
MC8-8542B	Twaron	840	8HS, PW (24x24)	1 felt/3 HS/3 PW/3 HS/ 1 felt	52.5	0.36458	0.145	1400	36	1292	0.53	63 & 60
MC8-8712B	Twaron	840	6HS, PW (24x24)	1 felt / 6, (6HS) / 1 PW	40.0	0.27778	0.115	1396	3	1387	0.52	63
8714	Twaron	840	PW (24x24)	1 felt / 1PW	7.8	0.05417	0.050	1312	20	1252	0.73	63
8732	Twaron	840	PW (27x27)	1 felt / 4 (840)	24.6	0.17083	0.075	1306	33	1207	0.49	63
8731	Twaron	840	PW (27x27)	1 felt / 3 (840)	18.6	0.12917	0.065	1309	17	1258	0.52	63
MC8-8703B	Twaron	750	6HS, PW (24x24)	1 felt / 6, (6hs) / 1 PW	36.9	0.25597	0.110	1317	35	1212	0.77	63
MC8-8713B	Twaron	750	8HS, PW (24x24)	1 felt / , 6, (8hs) / 1 PW	38.0	0.26396	0.110	1344	31	1251	0.79	63
8715	Twaron	750	PW(24x24)	1 felt, 1 PW	7.4	0.05139	0.050	1349	30	1259	0.77	63
8762	Twaron	750	Poly Batting, 6HS	1 felt / 7, (6hs)	35.5	0.24653	0.110	1562	38	1448	0.74	63
8878	Twaron	500	8HS(27x27), PW (24x24)	1 felt / , 6, (8hs) / 1 PW (750)	29.5	0.20486	0.095	1545	45	1410	0.82	63
9010	Twaron	750	6HS, PW (24x24)	1 felt / 2, (6HS) / 1 PW	17.5	0.12153	0.065	1462	19	1405	0.73	63
9028	Kevlar	400	8HS(35x35), PW (24x24)	1 felt / 4, (6HS) / 1 PW (750)	21.2	0.14722	0.085	1536	31	1443	0.74	63
9033	Kevlar	840	8HS (24x24), PW (24x22)	1 felt / , 6, (8hs) / 1 PW	22.9	0.15903	0.075	1534	13	1495	0.80	63

TTI reserves the right to adjust minimum acceptable V-50 limits as additional data becomes available.

TTI requires all materials supplied by weavers to meet internal minimum V-50 performance levels.

TTI performs regular Vendor Surveillance V-50 testing on incoming materials.

V-50's performed on incoming materials are base on .75psf aerial densities.

Panels have 1" perimeter and X-stitching and are tested in ligh weight nylon covers.

V-50's are generally in accordance to Mil Std 662f on Roma plastilina clay.

Rem 9mm 124gr FMJ projectiles are used for V-50 testing for QC purposes.

TTI uses both V-50 and Regression Curve test methodologies prior to releasing Core Technology as commercial.