



TEST SAMPLE

Manufacturer : LIOR TEXTILE INDUSTRIES

Model : TEST SAMPLE

Size : 16.5X16.5

Weight : 3.08 lbs.

Date Rec'd : 11/22/2006

Via : US MAIL

Returned : FEDERAL EXPRESS

Construction : S/N: KA25 LAYERS 1-25 COATED FLEX. WOVEN ARAMID FIBER (28X28), LAYER 26 5mm BLACK FOAM

SET-UP

Upper Drop Mass (g) : 1259

D Time Base (mm) : 30.0

Test Personnel : A. WILLIAMSON

Lower Drop Mass (g) : 652

Standoff Distance (mm) : 12.7

Temperature (F) : 72

Rel. Humidity (%) : 45

No.	Sample Description	Blade (P1, S1, Spike)	Angle (deg.)	Desired Energy		Drop Height		Time (ms)	Impact Energy (J)	Penet. (mm)	Remarks
				Level	J	(ft.)	(in.)				
1	KA25	P1	0	L2, E1	33	5	10.00	5.1554	32.86	0	
2	KA25	P1	0	L2, E2	50	8	11.50	4.1586	50.23	2	
3	KA25	P1	45	L2, E1	33	5	10.00	5.1376	33.09	0	
4	KA25	S1	0	L2, E1	33	5	10.00	5.1300	33.19	0	
5	KA25	S1	0	L2, E2	50	8	11.50	4.1561	50.29	0	
6	KA25	S1	45	L2, E1	33	5	10.00	5.1500	32.93	0	
7	KA25	SPIKE	0	L2, E1	33	5	10.00	5.1593	32.81	0	
8	KA25	SPIKE	0	L2, E2	50	8	11.50	4.1529	50.37	0	(a)
9	KA25	SPIKE	45	L2, E1	33	5	10.00	5.1655	32.74	0	
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NOTES

(a) SPIKE BROKE

DEFINITIONS

Per NIJ-STD-0115.00, sample fails if E1 penetration > 7mm or E2 penetration > 20mm

Upper Drop Mass includes weight of 2 foam disks; Lower Drop Mass includes weight of test implement

D Time Base is distance between velocity sensors

Standoff Distance is measured from blade tip to armor surface when drop mass is at 0 position

(just breaking bottom velocity sensor beam)