

STAB RESISTANCE TEST

NTS-Belcamp

4603B Compass Point Rd
Belcamp, MD 21017

Client: Armor Japan

Job No.: PH00009296

Test Date: 11/21/2023

Test Panel

Description: 4 layers of kevlar correctional + 44 layers of UD aramid

Manufacturer: Lam Enterprise Co.

Sample No.: NA

Model No.: AR48

Lot No.: NA

Gender: NA

Size: NA

Plies: 48

Weight: 0.545 lbs.

Coverage Area: NA

Areal Density: NA

Date Received: 11/21/2023

Via: DHL

Returned: DHL

Setup

Temp: 70 °F

BP: 29.99 inHg

RH: 49 %

Armor Condition: Ambient

Drop Mass: 1.91 kg

Witness Material: NIJ Backing

Ball Drop Bounces: 15 in. 14.5 in.

Tester: Brennan Heuer

Recorder: Brennan Heuer

Applicable Standards or Procedures

(1) AS PER CUSTOMER REQUEST

(2) NIJ-0115.00

Impact No.	Threat	Tip Sharpness (HRC)	Level	Energy Level	Angle of Incidence (deg.)	Drop Height (m)	Impact Velocity (m/s)	Strike Energy (J)	Depth of Penetration (mm)	Footnotes
1	P1	-60	2	E1	0	1.80	5.89	33.13	0	
2	P1	-60	2	E2	0	2.73	7.20	49.51	12	
3	S1	-60	2	E1	0	1.80	5.93	33.58	0	
4	S1	-60	2	E2	0	2.73	7.23	49.92	1	
5	Spike	-60	2	E1	0	1.80	5.93	33.58	0	

Remarks:

Lot Numbers as of 3.28.2022 KCN

Threat: Spike, Manufacturer: Contra Threat Sciences LLC., Lot No.: 7NIJ110921

Threat: P1/A, Manufacturer: High Speed Carbide, Lot No.: NA

Threat: S1/G, Manufacturer: High Speed Carbide, Lot No.: NA

Footnotes: