

BALLISTIC RESISTANCE TEST

NTS-Chesapeake Testing

121 Bata Boulevard, Suite F

Client: Infinity Composites, Inc.
 Job No.: CD01-2023-R01BRT-18049
 Test Date: 11/17/2021

Test Panel Description: Kevlar 15x15"x12 ply

Manufacturer: Infinity Composites

Sample No.: Kevlar 15x15"x12 ply

Size: 15 x 15 in.
 Thickness: 0.197 in; 0.196 in;
 0.200 in; 0.199 in
 Avg. Thick: 0.198 in

Heat No.: NA
 Weight: 1.97 lbs
 Hardness: NA
 Plies/Laminates: 12

Date Received: 4/5/2023
 Via: FedEx
 Returned: FedEx

Setup

Shot Spacing: Per NIJ-STD-0108.01 Level IIIA
 Witness Panel: 0.02 in 2024-T3 Al
 Obliquity: 0°
 Backing Material: NA
 Condition: Dry

Primary Vel. Screens: 6.5 ft, 9.5 ft
 Primary Vel. Location: 8 ft
 Range to Target: 16.5 ft
 Target to Witness: 6 in

Range No.: Range 1
 Temp: 72 °F
 BP: 30.03 inHg
 RH: 43%
 Barrel/Gun: CDS-0210
 Gunner: Zac Morrison
 Recorder: J. McDowell

Ammunition

Projectile	Lot No.	Powder
(1) .44-mag., 240-grain SWCGC	Remington 22885	IMR 4227

Applicable Standards or Procedures

- (1) NIJ-STD-0108.01 Level IIIA
- (2) Per customer request

Shot No.	Ammo	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Avg. Vel. (ft/s)	Penetration
1	1	2106	1425	2100	1429	1427	None
2	1	2107	1424	2100	1429	1426	None
3	1	2102	1427	2097	1431	1429	None
4	1	2090	1435	2080	1442	1439	None
5	1	2116	1418	2110	1422	1420	None

Remarks:
 Requested velocity: 1400 +/- 50 fps

Footnotes: