

BALLISTIC RESISTANCE TEST

Chesapeake Testing

4603B Compass Point Road
Belcamp, MD 21017

Client: Leading Technology Composites, Inc.

Job No.: 2025-065

Test Date: 3/1/2012

Test Panel Description: Rigid armor panel, Part No.: 22620

Manufacturer: Leading Technology Composites, Inc.

Sample No.: LTC-1

Size: 20.00 x 20.00 in
Thickness: 0.597 in; 0.599 in;
0.594 in; 0.600 in
Avg. Thick: 0.598 in

Heat No.: NA
Weight: 8.38 lbs
Hardness: NA
Plies/Laminates: NA

Date Received: 3/1/2012
Via: Hand Carried
Returned: Hand Carried

Setup

Shot Spacing: 4 shots on an 8 in square;
1 shot at center
Witness Panel: 0.02 in 2024-T3 Al
Obliquity: 0°
Backing Material: NA
Condition: Ambient

Primary Vel. Screens: 6.5 ft, 9.5 ft
Primary Vel. Location: 8 ft
Range to Target: 50 ft
Target to Witness: 6 in

Range No.: 1
Temp: 66 °F
BP: 29.65 inHg
RH: 39%
Barrel/Gun: CT-4006
Gunner: A. Rixham
Recorder: Keith Crouse

Ammunition

Projectile	Lot No.	Powder
(1) 7.62 x 51-mm, 149-grain M80 FMJ	Military	N133

Applicable Standards or Procedures

(1) NIJ-STD-0108.01 Level III

Shot No.	Ammo	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Avg. Vel. (ft/s)	Penetration	Footnotes
1	1	1083	2770	1083	2770	2770	None	
2	1	1077	2786	1077	2786	2786	None	
3	1	1085	2765	1084	2768	2766	None	
4	1	1081	2775	1080	2778	2776	None	
5	1	1081	2775	1080	2778	2776	None	

Remarks:

Required velocity: 2750 ±50 ft/s
The sample was tested in a rigid frame.

Footnotes: