

BALLISTIC RESISTANCE TEST

NTS-Chesapeake Testing

4603B Compass Point Road
Belcamp, MD 21017

Client: Slate Solutions LLC
Job No.: 2798-083-1
Test Date: 7/7/2020

Test Panel

Description: Torso Plate tested ICW NIJ Level 2 Vest. SLXII Plate Model: PA1RF1ICW, Plate Lot: 0620. Panel Serial #: 10055888; Panel Lot #: 2016; Panel Model #: SLXII.

Manufacturer: Slate Solutions LLC

Sample No.: 20000673

Size: See Remarks
Avg. Thick: NA
Thickness: NA

Weight: See Remarks
Plies/Laminates: NA

Date Received: 7/1/2020
Via: UPS
Returned: UPS

Setup

Shot Spacing: NIJ-STD-0101.06 Level III
Witness Panel: Clay
Backing Material: 5.5-in clay/plywood
Condition: Ambient

Primary Vel. Screens (ft): 37.000, 37.333, 46.667, 47.000
Primary Vel. Location (ft): 42.000
Range to Target (ft): 50.200
Target to Witness (in): 0.000

Range No.: 5
Temp: 69.0 °F
BP: 29.9 inHg
RH: 44.9%
Barrel/Gun: Test Barrel
Gunner: Lance Eveland
Recorder: J.Fulk

Ammunition

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

Applicable Standards or Procedures

Clay Drop 1 - Drop Time: 1:40 PM; Block No. 30; Temp: 94.8 °F; Drop Depths: 18.4mm, 18.8mm, 17.7mm, 16.6mm, 17.2mm
(1) NIJ-STD-0101.06 Level III (Modified)
(2) Customer request

Shot No.	Ammo	Weight (gr)	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Avg. Vel. (ft/s)	Penetration	Deformation (mm)	Obliq. (°)	Footnotes
1	1	148.0	3587	2788	3348	2788	2788	None	32.2	0.0	
2	1	148.0	3580	2793	3341	2794	2793	None	41.9	0.0	
3	1	148.0	3573	2799	3334	2799	2799	None	NA	0.0	
4	1	148.0	3566	2804	3326	2806	2805	None	NA	0.0	
5	1	148.0	3566	2804	3329	2804	2804	None	NA	0.0	
6	1	148.0	3566	2804	3329	2804	2804	None	NA	0.0	

Remarks:

Required Velocity: 2780 ± 30 ft/s.
Plate Weight: 2.43 lbs; Plate Size: 10.00 x 12.00 in.
Panel Weight: 1.84 lbs; Panel Size: 2015

Footnotes: