

BALLISTIC RESISTANCE TEST

NTS-Chesapeake Testing

4603B Compass Point Road
Belcamp, MD 21017

Client: Adept Incorporated
Job No.: 3731-034-2
Test Date: 11/25/2020

Test Panel

Description: Torso Plate.

Manufacturer: Adept Incorporated

Sample No.: Plate 2 (M80, V0)

Size: 12.00 x 10.00 in
Avg. Thick: NA
Thickness: NA

Weight: 5.65 lbs
Plies/Laminates: NA

Date Received: 11/20/2020
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.: 2
Temp: 68.3 °F
BP: 30.0 inHg
RH: 39.6%
Barrel/Gun: Test Barrel
Gunner: S. Lowman
Recorder: C. Peddicord

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: 2:30 PM; Block No. 19; Temp: 90.6 °F; Drop Depths: 17.4mm,16.8mm,17.3mm,16.4mm,17.9mm
(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	149.0	3590	2786	3343	2792	2789	None	41.2	0.0	
2	1	149.0	3600	2778	3351	2785	2782	None	39.5	0.0	
3	1	149.0	3580	2793	3336	2798	2796	None	37.8	0.0	

Remarks:

Required velocity: 2780 ±30 ft/s

Footnotes: