

BALLISTIC RESISTANCE TEST

NTS-Chesapeake Testing

4603B Compass Point Road
Belcamp, MD 21017
USA

Test Panel

Description: Plate tested as stand alone.

Sample No.: No. 2

Size: 9.50 x 11.50 in
Avg. Thick: NA
Thickness: NA

Weight: 5.54 lbs
Plies/Laminates: NA

Date Received: 02/14/2021
Via: DHL
Returned: DHL

Setup

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

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): NA

Range No.: 1
Temp: 68.7 °F
BP: 29.5 inHg
RH: 31.2%
Barrel/Gun: CT-4044
Gunner: Alex Janouris
Recorder: M. Contreras

Ammunition

Projectile	Lot No.	Powder
(1) 5.56 x 45-mm, 62-grain M855 ball	Military	N 110

Applicable Standards or Procedures

Clay Drop 1 - Drop Time: 8:55 AM; Block No. 19; Temp: 98.3 °F; Drop Depths: 17.0mm,17.3mm,17.0mm,17.6mm,18.1mm
(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	62.4	3295	3035	3075	3035	3035	None	21.4	0.0	
2	1	62.5	3260	3067	3043	3067	3067	None	22.6	0.0	
3	1	62.5	3285	3044	3068	3042	3043	None	25.7	0.0	
4	1	62.2	3282	3047	3065	3045	3046	None	24.4	0.0	
5	1	62.3	3260	3067	3046	3064	3066	None	24.3	0.0	
6	1	62.2	3243	3084	3028	3082	3083	None	27.9	0.0	

Remarks:

Required velocity: 3020 to 3080 ft/s
Plates were conditioned per section 6 of NIJ-STD-0101.06

Footnotes: