

BALLISTIC RESISTANCE TEST

NTS-Chesapeake Testing

4603B Compass Point Road
Belcamp, MD 21017

Client: ShotStop Ballistics, LLC
Job No.: 2631-064
Test Date: 12/7/2020

Test Panel

Description: Plate tested as stand alone. Model: GT2RFMC, Lot No.: 44725

Manufacturer: ShotStop Ballistics, LLC

Sample No.: 2020A0015617 (M855 A1, V0)

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

Weight: 3.59 lbs
Plies/Laminates: NA

Date Received: 12/3/2020
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: 68.7 °F
BP: 29.7 inHg
RH: 36.1%
Barrel/Gun: Test Barrel
Gunner: M. Skrocki
Recorder: Bret DeMond

Ammunition

Projectile	Lot No.	Powder
(1) 5.56 x 45-mm, 62-grain M855 ball A1	Military	N 110

Applicable Standards or Procedures

Clay Drop 1 - Drop Time: 11:35 AM; Block No. 1; Temp: 98.4°F; Drop Depths: 17.5mm,17.3mm,18.1mm,18.7mm,19.1mm
(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	62.0	3136	3189	2923	3193	3191	None	34.6	0.0	
2	1	62.1	3190	3135	2975	3137	3136	None	36.8	0.0	
3	1	62.2	3143	3182	2933	3182	3182	None	38.7	0.0	

Remarks:

Required velocity: 3150 ± 50ft/s

Footnotes: