

# BALLISTIC RESISTANCE TEST

## NTS-Chesapeake Testing

4603B Compass Point Road  
Belcamp, MD 21017

Client: Adept Incorporated  
Job No.: 3731-031-2  
Test Date: 9/1/2020

### Test Panel

Description: Titanium-faced sample.

Manufacturer: Adept Incorporated

Sample No.: Titanium-faced plate (M855)

Size: 6.00 x 6.00 in  
Avg. Thick: 0.703 in  
Thickness: 0.704 in; 0.690 in;  
0.719 in; 0.699 in

Weight: 1.74 lbs  
Plies/Laminates: NA

Date Received: 8/28/2020  
Via: FedEx  
Returned: FedEx

### Setup

Shot Spacing: Customer request  
Witness Panel: Clay  
Backing Material: 5.5-in clay/plywood  
Condition: Ambient

Primary Vel. Screens (ft): 10.000, 10.333,  
19.667, 20.000  
Primary Vel. Location (ft): 15.000  
Range to Target (ft): 25.000  
Target to Witness (in): 6.000

Range No.: 6  
Temp: 68.3 °F  
BP: 29.9 inHg  
RH: 43.8%  
Barrel/Gun: NA  
Gunner: Joey Gerdes  
Recorder: Josh Petty

### 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: 9:22 PM; Block No. 15; Temp: 94.2°F; Drop Depths: 24.1mm,24.9mm,24.8mm  
(1) 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)	Striking Vel. (ft/s)	Penetration	Def. (mm)	Obliq. (°)	Footnotes
1	1	62.3	3208	3117	2991	3120	3119	3109	None	41.5	0.0	

#### Remarks:

Required Velocity: 3100-3150 ft/s.

#### Footnotes: