

3/16

BALLISTIC RESISTANCE TEST

NTS-Chesapeake Testing

4603B Compass Point Road
Belcamp, MD 21017

Test Date: 1/17/2020

Test Panel

Description: Rigid steel plate. Lot No.: NJ6200-X04659; Coll No: 3744415; Order No: 18026330

Sample No.: NJ6200-X04659

Size: 14.00 x 14.00 in
Avg. Thick: 0.186 in
Thickness: 0.186 in; 0.186 in;
0.187 in; 0.187 in

Weight: 9.93 lbs
Plies/Laminates: NA

Date Received: 1/16/2020
Via: UPS
Returned: UPS

Setup

Shot Spacing: Customer request
Witness Panel: 0.02 in 2024-T3 Al
Backing Material: NA
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.: 4
Temp: 66.5 °F
BP: 30.5 inHg
RH: 32.4%
Barrel/Gun: NA
Gunner: Joey Gerdes
Recorder: Josh Petty

Ammunition

| Projectile | Lot No. | Powder |
|-------------------------------------|---------|--------|
| (1) 7.62 x 39-mm, 123-grain PS Ball | Chinese | N 110 |

Applicable Standards or Procedures

(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 | Obliq. (°) | Footnotes |
|----------|------|-------------|-------------|---------------|-------------|---------------|------------------|----------------------|-------------|------------|-----------|
| 1 | 1 | 122.5 | 4198 | 2382 | 3917 | 2383 | 2382 | 2373 | None | 0.0 | |
| 2 | 1 | 122.6 | 4190 | 2387 | 3912 | 2386 | 2386 | 2377 | None | 0.0 | |
| 3 | 1 | 122.3 | 4190 | 2387 | 3910 | 2387 | 2387 | 2377 | None | 0.0 | |
| 4 | 1 | 122.8 | 4198 | 2382 | 3915 | 2384 | 2383 | 2374 | None | 0.0 | |
| 5 | 1 | 123.0 | 4200 | 2381 | 3917 | 2383 | 2382 | 2372 | None | 0.0 | |

Remarks:

Required Velocity: 2375 ± 25 ft/s

Footnotes: