

# BALLISTIC RESISTANCE TEST

## Chesapeake Testing

4603B Compass Point Road  
Belcamp, MD 21017

Client: ShotStop Ballistics, LLC

Job No.: 2631-005-2

Test Date: 7/26/2016

### Test Panel

Description: Polyethylene plate tested as stand alone

Manufacturer: ShotStop Ballistics, LLC

Sample No.: SSB0716-212

Size: Large  
Avg. Thick: NA  
Thickness: NA

Weight: 2.37 lbs  
Plies/Laminates: NA

Date Received: 7/19/2016  
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: 69.0 °F  
BP: 29.9 inHg  
RH: 54.0%  
Barrel/Gun: CT-4015  
Gunner: Pete Krummel  
Recorder: S. McDowell

### Ammunition

Projectile	Lot No.	Powder
(1) 7.62 x 39-mm, 123-grain PS ball (AK-47)	Russian	IMR 4227

### Applicable Standards or Procedures

Clay Drop 1 - Drop Time: 11:28 AM; Block No.: 27; Temp.: 90.6 °F; Drop Depths: 21.6mm,20.9mm,18.1mm,18.3mm,18.6mm

(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	121.9	4182	2391	3900	2393	2392	None	30.9	0.0	
2	1	122.3	4193	2385	3911	2386	2386	None	35.0	0.0	
3	1	121.9	4204	2379	3922	2380	2379	None	33.4	0.0	
4	1	121.8	4209	2376	3927	2377	2376	None	39.7	0.0	
5	1	122.0	4206	2378	3921	2380	2379	None	45.0	0.0	
6	1	122.5	4171	2398	3889	2400	2399	None	40.5	0.0	

#### Remarks:

Required velocity: 2380 ±30 ft/s

All projectiles were provided by Chesapeake Testing.

#### Footnotes: