

DURITIUM III+PA

Advanced Body Armor Plates

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:



Call **800-986-0795** to learn more about our
Ballistics solutions or visit www.shotstop.com

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