

Element Materials Technology Wichita

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HARD ARMOR STAND-ALONE PLATE:  
P-BFS TEST

Date Received: March 26, 2025

Via: Hand Carry

Returned Via: Hand Carry

Record No.: RMA25003-13

Test Date: March 26, 2025

Customer: RMA Armament, Inc.

Test Conditions

Temperature: 69.5 °F

Humidity: 39 %

Clay Block No.: 11

Clay Block Size: 24" x 24" x 5.5" °F

Clay Temp.: 98.9

Drop Average: 19.24

Range 3

Muzzle to Screen 1: 10.00 ft.

Screen 1 - 4: 5.00 ft.

Screen 4 - Target: 10.00 ft.

Midpoint to Target: 12.50 ft.

Barrel Length: 28 in.

Test Standard: Modified / Abbreviated NIJ Standard 0101.07 October, 2023  
Threat Level: NIJ RF2  
Conditioning: Wet / Dropped

Sample Tested Description		Shot / Projectile Description					Chronograph		Test Results
Manufacturer:	RMA Armament, Inc.	Shot No.	Shot Location	Degree Obliquity	Caliber	Bullet Weight (gr.) / Type	TIME sx-5	VELOCITY ft/s	Perforation
Model No.:	XRT	1	1	0°	7.62x54R	155 / B32 API	178.2	2806	BFD (mm)
Lot No.:	240546								35.66
Serial No.:	20250820005								
Size:	9.5 x 12.5								
Weight (lbs.):	5.988								

*This test was performed in accordance with the specification requirements listed in addition to any customer testing modifications or requests. The test results properly reflect the ballistic performance of the listed sample. This test report shall not be reproduced except in full without written approval of Element Materials Technology.*

Notes:  
•Plate tested non-planar (with clay build-up/mound)

Ammunition Description:  
7.62x54R, 150 gr. API B32  
Velocity: 2730 +/- 30 ft/s

Sample Description:  
•Customer Proprietary.

ITAR-Controlled Data

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