

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.: RMA25003-17
Test Date: March 26, 2025
Customer: RMA Armament, Inc.

Test Conditions

Temperature: 69.8 °F
Humidity: 39 %

Clay Block No.: 11
Clay Block Size: 24" x 24" x 5.5" °F
Clay Temp.: 96.2
Drop Average: 19.15

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: 26 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 BFD (mm)
Model No.:	XRT	1	1	0°	7.62mm NATO	147 / FMJ (M80)	181.4	2756	37.75
Lot No.:	240546	2	2	0°			181.2	2759	37.93
Serial No.:	20250820002	3	3	0°			181.4	2756	42.06
Size:	9.5 x 12.5								
Weight (lbs.):	5.978								

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:
7.62x51mm M80 Ball (NATO FMJ Steel Jacket Spire PT BT_U.S. Military Supply / NATO Specifications)
Velocity: 2780 +/- 30 ft/s

Sample Description:
•Customer Proprietary.

Project Manager: Montgomery
Range Tech(s): Nguyen