

Element Materials Technology Wichita

7447 W. 33rd St. N.
Wichita, KS 67205 U.S.A.
Phone: (316) 832-1600
www.element.com

HARD ARMOR STAND-ALONE PLATE:

P-BFS TEST

Date Received: August 1, 2024
Via: UPS
Returned Via: UPS

Record No.: RMA24003-2
Test Date: August 2, 2024
Customer: RMA

Test Conditions

Temperature: 70.7 °F
Humidity: 53 %

Clay Block No.: 11
Clay Block Size: 24" x 24" x 5.5" °F
Clay Temp.: 97.7
Drop Average: 19.21

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 RF3
Conditioning: Dropped / Wet

Sample Tested Description	Shot / Projectile Description					Chronograph		Test Results
	Shot No.	Shot Location	Degree Obliquity	Caliber	Bullet Weight (gr.) / Type	TIME sx-5	VELOCITY ft/s	Perforation BFD (mm)
Manufacturer: RMA Armament	1	1	0°	7.62mm NATO	147 / FMJ (M80)	180.7	2767	33.63
Model No.: 1062-Gen 2	2	2	0°			180.9	2764	39.46
Serial No.: SAMPLE1	3	3	30°			181.4	2756	No Perforation
Lot: 239822	4	4	30°			180.7	2767	No Perforation
Size (in.): 9.5 x 12.5								
Weight (lbs.): 3.158								

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: Nold
Range Tech(s): Cisneros