

**National Institute
of Justice (NIJ)**Approved Test Laboratory
For Personal Body Armor

Expiration Date:

April 30, 2020

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NVLAP LAB CODE: 200818-0

Approved Signatory: Jake Crawford

FLEXIBLE ARMOR:**P-BFS TEST**

Date Received: 17/6/2019

Via: UPS

Returned Via: UPS

Record No.: JAA19002-1

Test Date: 25/6/2019

Customer:

Test Conditions

Temperature: 21.4 °C

Humidity: 59 %

Clay Block Size: 24" x 24" x 5.5"

Clay Block No.: 13

Clay Temp.: 37.5 °C

Drop Average: 17.97 mm

Test Standard: IAW Modified / Abbreviated NIJ 0101.04 Revision A, June 2001

ICW NIJ 2005 Interim Requirements

Threat Level: IIIA

Conditioning: Ambient / Dry

Range 3

Muzzle to Screen 1: 1.74 m

Screen 1 - 4: 1.52 m

Screen 4 - Target: 1.74 m

Midpoint to Target: 2.50 m

Target to Witness: 0 cm

Barrel Length: 25.40 cm

Sample Tested Description	Shot / Projectile Description			Chronograph		Test Results
	Shot No.	Shot Location	Degree Obliquity	Caliber	Bullet Weight (gr.) / Type	Penetration
Manufacturer:						BFS (mm)
Model No.: 23 Layers	1	1	0°	9mm	124 / FMJ	25.80
Material: PE UD Fabric	2	2	0°			28.83
*Areal Density: 140 g/m²	3	3	0°			28.45
Size: 40cm x 40cm	4	4	30°			No Penetration
Sample No.: #1	5	5	30°			No Penetration
Weight (kg): 0.65	6	6	0°			No Penetration
Threat Level: (NIJ 0101.04): IIIA						

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Test Remarks/Notes:

•Panel tested in cover only, no outer carrier provided

•Areal Density provided by customer

Test Round Description:

Test Round: Remington 9mm, 124 gr. (8.0g) FMJ RN (23558)

Test Velocity: 435.9 +/- 9.1 m/s (1430 +/- 30 ft/s)

Shot Location / Shot Spacing Requirements:

•Shot Pattern: IAW Section 5.11.3, Figure 7. Shot Location Marking

•Shot-to-Edge: 76mm (3.0") Minimum

•Shot-to-Shot: 50mm (2.0") Minimum

•Shot Nos. 1-6 tested planar (pressed flat against claybacking)

Test Result Requirements:

Conditioning: NO, tested "Dry" IAW customer request

BFS: Shot No. 1 and Fastest Velocity Shot of Shots 2-3

PASS / FAIL: No Penetrations (Shots 1-6); BFS ≤ 44.0mm (Shots 1-3)

Sample Description:

23 Layers 140 g/m² PE UD Fabric

Project Manager: Wilson

Range Tech(s):