

**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: 17/12/2019

Via: DHL

Returned Via: UPS

Record No.: JAA19006-1

Test Date: 17/12/2019

Customer:

Test ConditionsTemperature: 21.1 °C
Humidity: 49 %
Clay Block Size: 24" x 24" x 5.5"
Clay Block No.: 15
Clay Temp.: 38.1 °C
Drop Average: 18.70 mm
Test Standard: IAW Modified / Abbreviated NIJ 0101.06, July 2008
Threat Level: IIIA
Conditioning: New / Dry**Range 4**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: 35.56 cm

Sample Tested Description		Shot / Projectile Description				Chronograph		Test Results	
Manufacturer:		Shot No.	Shot Location	Degree Obliquity	Caliber	Bullet Weight (gr.) / Type	TIME sx-5	VELOCITY m/s	Perforation
		BFS (mm)							
Model No.:	AK191210-1	1	1	0°	.44 Mag.	240 / JHP	356.2	427.8	27.07
Sample No.:	#1	2	2	0°			356.0	428.1	34.25
No. of Layers:	33	3	3	0°			352.0	433.0	36.31
Material:	PE UD	4	4	30°			354.1	430.4	No Perforation
*Areal Density:	165 g/m²	5	5	45°			356.2	427.8	No Perforation
Size:	40cm x 40cm Shootpack	6	6	0°			349.6	435.9	No Perforation
Weight (kg):	0.867								
Threat Level:	(NIJ 0101.06): 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: Speer .44 Magnum, 240 gr. (15.55g) JHP (4453 or 4736)
Test Velocity: 435.9 +/- 9.1 m/s (1430 +/- 30 ft/s)**Shot Location / Shot Spacing Requirements:**

- Shot Pattern: IAW Section 7.8.1 Shot Location Marking
- Shot-to-Edge: 76mm (3.0") Minimum (Threat 2)
- Shot-to-Shot: 50mm (2.0") Minimum
- Shot Nos. 1-6 tested planar (pressed flat against clay backing)

Test Result Requirements:Submersion: NO, tested "Dry" IAW customer request
Conditioning: New (Not Conditioned IAW Section 5. Protocol)
BFS: Shot No. 1 - 3
PASS / FAIL: No Perforations (Shots 1-6); BFS ≤ 44.0mm (Shots 1-3)**Sample Construction (Customer Provided):**

33 layers 165 g/m² PE UD

Project Manager: Nold
Range Tech(s): Diefenderfer