

Ballistic Limit Testing: All testing was conducted on an indoor range at ambient conditions, in accordance with your instructions and the modified provisions of NIJ-STD-0101.06. Testing was conducted using caliber 7.62x25mm, 85 gr., SJLC ammunition. The test sample(s) were positioned 17.3 feet from the muzzle of the barrel to produce zero (0°) degree obliquity impacts. Photoelectric infrared screens were located at 6.5 feet and 11.5 feet which, in conjunction with electronic chronographs, were used to compute bullet velocities at 9.0 feet forward of the muzzle. Penetrations were determined by visual examination of the 5.5-inch-thick clay backing material. Table I provides a summary of information on the attached data record(s).

Table I: Ballistic Limit V50, Summary of Results

Test Sample			Set-Up			Results (fps)		
Conditioning	Sample No.	Weight (lbs.)	Caliber	Obliquity	Shots Total/V50	Test Result V50	High Partial	Low Complete
AMBIENT	28XDS002+065	4.15	7.62x25mm, SJLC	0°	12/8	1809	1815	1821
See individual data record(s) for specific footnotes/remarks								

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H.P. White Laboratory, Inc.

PROTECTION BALLISTIC LIMIT TEST, V50 BL(P)

Client : 5275: LAM ENTERPRISE

Job No. : 000007870 Test Date : 12/6/17

TEST PANEL

Manufacturer : LAM ENTERPRISE	Sample No. : 28XDS002+065 (7.62x25)	Date Rec'd. : 11/27/17
Size : 16 x 16 in.	Heat No. : NA	Via :
Thicknesses : NA	Weight : 4.15 lbs.	Returned :
Avg. Thick. : NA	Hardness : NA	
Required BL(P) : NA	Plies/Laminates : NA	
Description : 28 LAYERS OF DUPONT XDS002+2 x 0.2mm SUS + 0.25mm SUS (CUSTOMER PROVIDED DESCRIPTION)		

SET-UP

Shot Spacing : NIJ-STD 0101.06	Primary Vel. Screens : 6.5 ft., 11.5 ft.	Range No. : 2
Witness Panel : NA	Primary Vel. Location : 9.0 ft. From Muzzle	Temp. : 67 F
Obliquity : 0 deg.	Residual Vel. Screens : NA	BP : 29.59 in. Hg
Backing Material : 5.5" CLAY	Residual Vel. Location : NA	RH : 32%
Conditioning : AMBIENT	Range to Target : 17.3 ft.	Barrel No./Gun : 7.62x25 R2
	Target to Wit. : 0.0 in.	Gunner : KAHLER
		Recorder : MACINNES

AMMUNITION

Projectile : 7.62x25mm SJLC, 85 gr. Lot No. : HPW-0059
Powder : ACCURATE NO. 2

APPLICABLE STANDARDS OR PROCEDURES

- (1) : NIJ-STD 0101.06 LEVEL SPECIAL (MODIFIED)
- (2) : PRE-TEST CLAY DROPS: 19mm, 19mm, 18mm, 17mm, 19mm
- (3) : PRE-TEST CLAY TEMP: 98.1 F

Shot No.	Powder/Seating	Time 1 (usec)	Velocity 1 (ft/s)	Time 2 (usec)	Velocity 2 (ft/s)	Avg. Vel. (ft/s)	Result	Include in V50	Footnotes
1		3338	1498	3333	1500	1499	P		
2		3036	1647	3036	1647	1647	P		
3		2861	1748	2861	1748	1748	P		
4		2721	1838	2721	1838	1838	C	Y	
5		2820	1773	2820	1773	1773	P	Y	
6		2748	1820	2744	1822	1821	C	Y	
7		2834	1764	2829	1767	1766	P		
8		2735	1828	2735	1828	1828	C	Y	
9		2798	1787	2798	1787	1787	P	Y	
10		2744	1822	2744	1822	1822	C	Y	
11		2793	1790	2789	1793	1791	P	Y	
12		2757	1814	2753	1816	1815	P	Y	

REMARKS : PO J-291110HP-V50-7.6	FOOTNOTES :	V50 SUMMARY : No. Points : 4 & 4 V50 : 1809 High Partial : 1815 Low Complete : 1821 Range of Results : 65 Range of Mixed : 0
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