

TEST PANEL

Manufacturer : EAST WEST CONSOLIDATED

Size : 10 x 12 in.

Thicknesses : NA

Avg. Thick : NA

Description : PROPRIETARY
PLATE

Sample No. : C85

Weight : 4.98 lbs.

Hardness : NA

Plies/Laminates : N/A

Date Rec'd. : 8/9/18

Via :

Returned :

SET-UP

Shot Spacing : NIJ-STD-0101.07, RF2

Witness Panel :

Obliquity : 0 deg.

Backing Material : 5.5" CLAY/PLYWOOD

Conditioning : AMBIENT

Primary Vel. Screens : 39.5 ft., 44.5 ft.

Primary Vel. Location : 42.0 ft. From Muzzle

Residual Vel. Screens : NA

Residual Vel. Location : NA

Range to Target : 50.3 ft.

Target to Wit : 0.0 in.

Range No. : 1

Temp. : 68 F

BP : 30.05 in. Hg

RH : 58%

Barrel No./Gun : 223/R1

Gunner : MILLER, SKROCKI

Recorder : STRETT

AMMUNITION

(1) : 5.56x45mm , M193, 55 gr.

(2) :

(3) :

(4) :

Lot No. : HPW- 0078

Lot No. :

Lot No. :

Lot No. :

APPLICABLE STANDARDS OR PROCEDURES

(1) : NIJ-STD-0101.07(DRAFT), RF2 (MODIFIED)

(2) : PRE TEST CLAY DROPS: 19mm, 19mm, 19mm, 18mm, 18mm

(3) : RE TEST CLAY TEMP: 102.1° F

Shot No.	Ammo.	Time 1 (usec)	Velocity 1 (ft/s)	Time 2 (usec)	Velocity 2 (ft/s)	Avg. Vel. (ft/s)	Penetration	Footnotes
1	1	1524	3281	1529	3270	3275	None	DEF. 36mm
2	1	1533	3262	1538	3251	3256	None	DEF. 35mm
3	1	1549	3228	1551	3224	3226	None	DEF. 34mm

REMARKS :FOOTNOTES :



H.P. White Laboratory, Inc.

BALLISTIC RESISTANCE TEST

Client : 6254: EAST WEST CONSOLIDATED

Job No. : 000008582 Test Date : 8/23/18

TEST PANEL

Manufacturer : EAST WEST CONSOLIDATED

Size : 10 x 12 in.

Thicknesses : NA

Avg. Thick. : NA

Description : PROPRIETARY
PLATE

Sample No. : C86

Weight : 4.99 lbs.

Hardness : NA

Piles/Laminates : N/A

Date Rec'd. : 8/9/18

Via :

Returned :

SET-UP

Shot Spacing : NIJ-STD-0101.07, RF2

Witness Panel :

Obliquity : 0 deg.

Backing Material : 5.5" CLAY/PLYWOOD

Conditioning : AMBIENT

Primary Vel. Screens : 39.5 ft., 44.5 ft.

Primary Vel. Location : 42.0 ft. From Muzzle

Residual Vel. Screens : NA

Residual Vel. Location : NA

Range to Target : 50.3 ft.

Target to Wit. : 0.0 in.

Range No. : 1

Temp. : 68 F

BP : 30.05 in. Hg

RH : 58%

Barrel No./Gun : 223/R1

Gunner : MILLER, SKROCKI

Recorder : STREETT

AMMUNITION

(1) : 5.56mm Ball, M855, 62 gr.

(2) :

(3) :

(4) :

Lot No. : HPW- 0028

Lot No. :

Lot No. :

Lot No. :

APPLICABLE STANDARDS OR PROCEDURES

(1) : NIJ-STD-0101.07(DRAFT), RF2 (MODIFIED)

(2) : PRE TEST CLAY DROPS: 19mm, 19mm, 19mm, 18mm, 18mm

(3) : RE TEST CLAY TEMP: 102.1° F

Shot No.	Ammo.	Time 1 (usec)	Velocity 1 (ft/s)	Time 2 (usec)	Velocity 2 (ft/s)	Avg. Vel. (ft/s)	Penetration	Footnotes
1	1	1609	3108	1612	3102	3105	None	DEF. 31mm
2	1	1616	3094	1619	3088	3091	None	DEF. 33mm
3	1	1620	3086	1622	3083	3085	None	DEF. 33mm

REMARKS :

FOOTNOTES :

Ballistic Resistance Testing: All testing was conducted on an indoor range at ambient conditions, in accordance with your instructions and the modified provisions of NIJ-STD-0101.07(DRAFT), RF2. Testing was conducted using caliber 5.56mm, 62 gr., M855 Ball and 5.56x45mm, 55 gr., M193 ammunition. The test sample(s) were positioned 50.3 feet from the muzzle of the barrel to produce zero (0°) degree obliquity impacts. Photoelectric infrared screens were located at 39.5 feet and 44.5 feet which, in conjunction with electronic chronographs, were used to compute bullet velocities at 42.0 feet forward of the muzzle. Penetrations were determined by visual examination of the 5.5-inch-thick clay backing material. Back-face signature was measured using a calibrated digital depth gauge. Table I provides a summary of information on the attached data record(s).

Table I: Ballistic Resistance, Summary of Results

Test Sample			Set-Up			Results				
Conditioning	Sample No.	Weight (lbs.)	Caliber	Obliquity	Shots (a)	Velocity (fps)		Penetration(s)	Deformation (mm) (b)	
						Max	Min		Max	Min
AMBIENT	C85	4.98	5.56x45mm, M193	0°	3	3275	3226	0	36	34
	C86	4.99	5.56mm, M855	0°	3	3105	3083	0	33	31
(a) See individual data record(s) for specific shot details										
(b) Deformation of 5.5-inch clay backing										

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