

BALLISTIC RESISTANCE TEST

Chesapeake Testing

4603B Compass Point Road
Belcamp, MD 21017

Client: United Defense Ltd.
Job No.: 3786-001-6
Test Date: 3/10/2016

Test Panel

Description: Unidirectional Aramid fabric, 25 layers.

Manufacturer: United Defense Ltd.

Sample No.: AS230TT- No.2

Size: 400 x 400 mm
Avg. Thick: NA
Thickness: NA

Weight: 0.910 kg
Plies/Laminates: NA

Date Received: 3/10/2016
Via: Hand Carried
Returned: Hand Carried

Setup

Shot Spacing: NIJ-STD-0101.06 Level IIIA
Witness Panel: Clay
Backing Material: 5.5-in clay/plywood
Condition: Ambient

Primary Vel. Screens (ft): 6.500, 6.833,
11.166, 11.500
Primary Vel. Location (ft): 9.000
Range to Target (ft): 17.200
Target to Witness (in): 0.000

Range No.: 2
Temp: 69.0 °F
BP: 29.9 inHg
RH: 41.4%
Barrel/Gun: CT-3108
Gunner: Jason Siverd
Recorder: M. Contreras

Ammunition

Projectile	Lot No.	Powder
(1) .44-mag., 240-grain SJHP	Speer Unknown	Accurate No. 5

Applicable Standards or Procedures

Clay Drop 1 - Drop Time: 9:50 AM; Block No. 29; Temp: 92.8°F; Drop Depths: 18.9 mm, 21.0 mm, 19.7 mm, 19.2 mm, 21.2 mm
(1) NIJ-STD-0101.06 Level IIIA (modified)
(2) Customer request

Shot No.	Ammo	Weight (gr)	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Avg. Vel. (ft/s)	Penetration	Deformation (mm)	Obliq. (°)	Footnotes
1	1	239.7	3490	1433	3016	1437	1435	None	37.5	0.0	
2	1	239.7	3452	1448	2983	1453	1451	None	33.9	0.0	
3	1	239.9	3486	1434	3013	1438	1436	None	29.9	0.0	
4	1	239.0	3482	1436	3009	1440	1438	None	NA	30.0	
5	1	239.0	3482	1436	2997	1446	1441	None	NA	45.0	
6	1	239.0	3498	1429	3024	1433	1431	None	NA	0.0	

Remarks:

Required velocity: 1430 ±30 ft/s

Footnotes:

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4603B Compass Point Road
Belcamp, MD 21017

Client: United Defense Ltd.
Job No.: 3786-001-5
Test Date: 3/10/2016

Test Panel

Description: Unidirectional Aramid laminate, 25 layers.

Manufacturer: United Defense Ltd.

Sample No.: AS230TT- No.4

Size: 400 x 400 mm
Avg. Thick: NA
Thickness: NA

Weight: 0.910 kg
Plies/Laminates: NA

Date Received: 3/10/2016
Via: Hand Carried
Returned: Hand Carried

Setup

Shot Spacing: NIJ-STD-0101.06 Level IIIA
Witness Panel: Clay
Backing Material: 5.5-in clay/plywood
Condition: Ambient

Primary Vel. Screens (ft): 6.500, 6.833,
11.166, 11.500
Primary Vel. Location (ft): 9.000
Range to Target (ft): 17.200
Target to Witness (in): 0.000

Range No.: 2
Temp: 69.0 °F
BP: 29.9 inHg
RH: 43.6%
Barrel/Gun: CT-3015
Gunner: Jason Siverd
Recorder: M. Contreras

Ammunition

Projectile	Lot No.	Powder
(1) .357-cal., 125-grain SIG FMJ FN	Speer Unknown	Lovex D032-03

Applicable Standards or Procedures

Clay Drop 1 - Drop Time: 11:35 AM; Block No. 25; Temp: 92.2 °F; Drop Depths: 19.0 mm, 20.2 mm, 19.8 mm, 20.4 mm, 20.9 mm
(1) NIJ-STD-0101.06 Level IIIA (modified)
(2) Customer request

Shot No.	Ammo	Weight (gr)	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Avg. Vel. (ft/s)	Penetration	Deformation (mm)	Obliq. (°)	Footnotes
1	1	124.1	3337	1498	2884	1502	1500	None	27.1	0.0	
2	1	123.3	3428	1459	2963	1462	1460	None	28.3	0.0	
3	1	123.3	3457	1446	2988	1450	1448	None	28.1	0.0	
4	1	124.0	3370	1484	2913	1487	1486	None	NA	30.0	
5	1	123.1	3351	1492	2897	1496	1494	None	NA	45.0	
6	1	124.3	3367	1485	2910	1489	1487	None	NA	0.0	

Remarks:

Required velocity: 1470 ±30 ft/s

Footnotes: