

BALLISTIC RESISTANCE TEST

Chesapeake Testing

4603B Compass Point Road
Belcamp, MD 21017

Client: Lenco Armored Vehicles
Job No.: 2427-024-2
Test Date: 2/24/2016

Test Panel

Description: 18"x18" of 76mm No Spall Ballistic Glass

Manufacturer: Lenco Armored Vehicles

Sample No.: Transparent No. 2

Size: 18.00 x 18.00 in
Avg. Thick: 3.140 in
Thickness: 3.136 in; 3.140 in;
3.138 in; 3.145 in

Weight: 84.15 lbs
Plies/Laminates: NA

Date Received: 2/23/2016
Via: FedEx Freight
Returned: FedEx

Setup

Shot Spacing: 3 shots on a 120 mm triangle
Witness Panel: .001 in Aluminum foil with splinter box
Backing Material: NA
Condition: Ambient

Primary Vel. Screens (ft): 20.000, 20.333, 29.667, 30.000
Primary Vel. Location (ft): 25.000
Range to Target (ft): 32.800
Target to Witness (in): 19.680

Range No.: 1
Temp: 67.4 °F
BP: 29.6 inHg
RH: 38.4%
Barrel/Gun: CT-4060
Gunner: Brad Shaffer
Recorder: Fritz Boniface

Ammunition

Projectile	Lot No.	Powder
(1) 7.62 x 51-mm, 150-grain M61 AP	Military	N133

Applicable Standards or Procedures

- (1) BS EN 1063 BR7, dated 15 July 2000
(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)	Striking Vel. (ft/s)	Penetration	Obliq. (°)	Footnotes
1	1	150.2	3711	2695	3466	2693	2694	2688	None	0.0	
2	1	150.3	3688	2711	3446	2708	2710	2704	None	0.0	
3	1	149.9	3682	2716	3441	2712	2714	2708	None	0.0	

Remarks:

Required velocity: 2690 ±32 ft/s

Footnotes: