

BALLISTIC RESISTANCE TEST												
Element U.S. Space & Defense -Belcamp 4603B Compass Point Road Belcamp, MD 21017								Client: Ace Link Industrial Inc. Project No.: PH00011813 Test Date: 06/18/2024 Page 1 of 1				
Test Panel		Description: Torso plate tested stand alone. B-AP-RF1-PE-1012										
Manufacturer: Ace Link Industrial Inc.						Sample No.: (M80, V0) Plate A-2						
Size: 10.00 x 12.00 in Avg. Thickness: N/A Thicknesses: N/A				Weight: 2.570 lbs Plies/Laminates: N/A				Date Received: 06/07/2024 Received Via: FEDEX, Express Saver Returned Via: FEDEX, Express Saver				
Setup												
Shot Spacing: NIJ-STD-0101.06 Level III Witness Panel: Clay Backing Material: 5.5-in clay/plywood Condition: Ambient				Primary Vel. Screens (ft): 37.000, 37.333, 46.666, 47.000 Primary Vel. Location (ft): 42.000 Range to Target (ft): 50.200 Target to Witness (in): 0.000					Range No.: Range 5 Temp: 67.7 °F BP: 30 inHg RH: 52 % Barrel/Gun: WC079283 Gunner: Jacob Arisman Recorder: Cody Schilling			
Ammunition												
Projectile				Lot No.		Manufacturer			Powder			
(1) 7.62 x 51-mm, 149-grain M80 FMJ				NA		Military			N133			
Applicable Standards or Procedures												
Clay Drop 1 - Drop Time: 9:35 PM; Block No. WC074183; Temp: 91.7 °F; Drop Depths: 17.2 mm,17.9 mm,16.4 mm,19.1 mm,18.1 mm (1) NIJ-STD-0101.06 Level III (Modified) (2) Customer Request												
Shot No.	Ammo	Powder/ Seating	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	40.4	148	3575	2797	3341	2793	2795	None	42.3	0	
2	1	40.4	148	3564	2806	3329	2804	2805	None	37.7	0	
3	1	40.4	148	3564	2806	3329	2804	2805	None	41.6	0	
4	1	40.4	148	3560	2809	3325	2807	2808	None	41.4	0	
5	1	40.4	148	3577	2796	3342	2793	2794	None	39.2	0	
6	1	40.4	148	3590	2786	3355	2782	2784	None	47.1	0	
Remarks: Required velocity: 2750 - 2810 ft/s. Projectile Yaw Check: 0° on all impacts.												
Footnotes: N/A												