

# BALLISTIC RESISTANCE TEST

## NTS-Chesapeake Testing

4603B Compass Point Road  
Belcamp, MD 21017

Client: Ace Link Industrial Inc.  
Job No.: 21369-021-11  
Test Date: 5/21/2020

## Test Panel

**Description:** Torso Plate tested ICW soft armor. Plate Model #: PL-4ICW-1012. Plate Material: PE+SiC.  
Soft armor model #: BP-3A-1012. Material: Aramid UD.

**Manufacturer:** Ace Link Industrial Inc.

**Sample No.:** 20200514-48

Size: See Remarks  
Avg. Thick: NA  
Thickness: NA

Weight: See Remarks  
Plies/Laminates: NA

Date Received: 5/21/2020  
Via: UPS  
Returned: UPS

## Setup

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

Primary Vel. Screens (ft): 37.000, 37.333,  
46.667, 47.000  
Primary Vel. Location (ft): 42.000  
Range to Target (ft): 50.200  
Target to Witness (in): 0.000

Range No.: 5  
Temp: 68.0 °F  
BP: 30.1 inHg  
RH: 44.0%  
Barrel/Gun: Test Barrel  
Gunner: Austin Blake  
Recorder: C. Peddicord

## Ammunition

Projectile	Lot No.	Powder
(1) .30-06-cal., 166-grain APM2	Military AYR56	N133

## Applicable Standards or Procedures

Clay Drop 1 - Drop Time: 2:05 PM; Block No. 3; Temp: 90.3 °F; Drop Depths: 18.1mm, 18.4mm, 18.6mm, 19.3mm, 17.6mm  
(1) NIJ-STD-0101.06 Level IV (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	162.4	3463	2888	3234	2886	2887	None	33.0	0.0	
2	1	162.4	3465	2886	3238	2882	2884	None	31.5	0.0	
3	1	162.6	3487	2868	3253	2869	2868	None	37.4	0.0	

### Remarks:

Required Velocity: 2880 ± 30 ft/s.  
Plate S/N: 20200514-48; Weight: 5.36 lbs; Size: 10.00 x 12.00 in.  
Soft Armor S/N: 20200424-14; Weight: 1.17 lbs; Size: 10.00 x 12.00 in.

### Footnotes:

# BALLISTIC RESISTANCE TEST

## NTS-Chesapeake Testing

4603B Compass Point Road  
Belcamp, MD 21017

Client: Ace Link Industrial Inc.  
Job No.: 21369-021-12  
Test Date: 5/21/2020

## Test Panel

**Description:** Torso Plate tested ICW soft armor. Plate Model #: PL-4ICW-1012. Plate Material: PE+SiC.  
Soft armor model #: BP-3A-1012. Material: Aramid UD.

**Manufacturer:** Ace Link Industrial Inc.

**Sample No.:** 20200514-49

Size: See Remarks  
Avg. Thick: NA  
Thickness: NA

Weight: See Remarks  
Plies/Laminates: NA

Date Received: 5/21/2020  
Via: UPS  
Returned: UPS

## Setup

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

Primary Vel. Screens (ft): 37.000, 37.333,  
46.667, 47.000  
Primary Vel. Location (ft): 42.000  
Range to Target (ft): 50.200  
Target to Witness (in): 0.000

Range No.: 5  
Temp: 68.1 °F  
BP: 30.1 inHg  
RH: 44.5%  
Barrel/Gun: Test Barrel  
Gunner: Austin Blake  
Recorder: C. Peddicord

## Ammunition

Projectile	Lot No.	Powder
(1) .30-06-cal., 166-grain APM2	Military AYR56	N133

## Applicable Standards or Procedures

Clay Drop 1 - Drop Time: 2:05 PM; Block No. 3; Temp: 90.3 °F; Drop Depths: 18.1mm,18.4mm,18.6mm,19.3mm,17.6mm  
(1) NIJ-STD-0101.06 Level IV (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	162.2	3465	2886	3234	2886	2886	None	30.4	0.0	
2	1	162.3	3478	2875	3246	2875	2875	None	29.9	0.0	
3	1	162.3	3463	2888	3236	2884	2886	None	35.9	0.0	

### Remarks:

Required Velocity: 2880 ± 30 ft/s.  
Plate S/N: 20200514-49; Weight: 5.28 lbs; Size: 10.00 x 12.00 in.  
Soft Armor S/N: 20200424-16; Weight: 1.18 lbs; Size: 10.00 x 12.00 in.

### Footnotes: