OREGON BALLISTIC LABORATORIES

BALLISTIC RESISTANCE TEST - V_0

Customer:	UARM
OBL ID#:	28672
Date Rcv'd:	4/27/2021
Test Date:	5/7/2021
Purchase Order:	

TEST SAMPLE

Sample No.:	SA3AUSA	Size (in.):	12.5 x 8.5
Model No.:	N/A	Weight (lb.):	0.81
Lot No.:	N/A	Thickness:	
Plies:	N/A	Avg. Thk. (in):	
Description:	Level IIIA Soft Armor Panel		

RANGE SET-UP

Range to Target:	15 ft.	Range #:	3	Pre Test:					
Screen Dist. Vel. 1 (ft.):	5	Temperature:	68.9 °F	Clay Drops (mm):	19.46	18.49	19.94	18.83	18.30
Screen Dist. Vel. 2 (ft.):	4	Bar. Pressure:	30.19 in. Hg	Drop Avg (mm):	19.00				
Screen 4 to target (ft):	N/A	Rel. Humidity:	42.1 %	Clay Temp °F:	95.2				
Primary Vel. Location:	8.25 ft. from target	Sample Temp.	Amb. °F	Clay Box #:	10				
Striking Velocity:	No	Recorder:	Josh Humphreys	Post Test:					
Target to Witness:	N/A	Gunner:	Robert Ness	Clay Drops (mm):	19.39	17.78	18.70	16.67	16.76
Witness Panel:	N/A			Drop Avg (mm):	17.86				
Backing Material:	5.5" clay block w/ 3/4" plywood backing			Clay Temp °F:	93.9				
Obliquity:	0 Degrees								
Barrel:	.44 Mag/1:20/15"								

AMMUNITION

Projectile:	.44 Mag 240gr. SJHP Lot #4453	Powder:	Accurate No. 2

STANDARDS / PROCEDURES

NIJ-STD-0101.06 Level IIIA (abbrev) (mod)	Required Velocity: 1430 fps ± 30 fps

SHOT NO.	PROJECTILE WT. (gr.)	POWDER WT. (gr.)	TIME 1 µs (10^{-6})	TIME 2 µs (10^{-6})	VELOCITY 1 ft/s	VELOCITY 2 ft/s	AVERAGE VELOCITY	PENET. P/C	OBLIQUITY	CALIPER BFD	NOTES
1	240.5	11.7	3507	2798	1426	1430	1428	P	0°		
2	240.5	11.7	3471	2783	1441	1437	1439	P	0°	41.58	
3	240.2	11.7	3481	2778	1436	1440	1438	P	0°		
4	240.8	11.7	3479	2777	1437	1440	1439	P	30°		
5	240.7	11.7	3499	2793	1429	1432	1431	P	45°		
6	240.6	11.7	3452	2756	1448	1451	1450	P	0°		

REMARKS:

P=Partial Penetration
C=Complete Penetration
UH=Unfair Hit
Projectile Yaw Check: <5° Yaw on all Velocity Shots.

TEST RESULTS:

FOOTNOTES:

Sample was not subjected to Armor Submersion.