

BALLISTIC RESISTANCE TEST - V₀

Customer: LENCO INDUSTRIES
 OBL ID#: 8383
 Test Date: 5/6/2014
 Purchase Order: 51097-A

TEST SAMPLE

Sample No.: 20mm FSP
 Heat No.: N/A
 Lot No.: N/A
 Plies: N/A
 Description: Transparent armor

Size (in.): 16 x 16
 Weight (lb.): 54.0
 Thickness: 2.605 2.591 2.594 2.600
 Avg. Thk. (in): 2.598

RANGE SET-UP

Range to Target: 50 ft.
 Screen Dist. Vel. 1 (ft.): 5
 Screen Dist. Vel. 2 (ft.): 5
 Screen 4 to target (ft): N/A
 Primary Vel. Location: 8.25 ft. from target
 Striking Velocity: No
 Target to Witness: 6 in.
 Witness Panel: 0.020" 2024-T3 Alum.
 Backing Material: N/A
 Obliquity: 0 Degrees
 Barrel: 20mm

Range #: 1
 Temperature: 68.0 °F
 Bar. Pressure: 30.09 in. Hg
 Rel. Humidity: 47.0 %
 Sample Temp. Amb. °F
 Recorder: Brandon Bertsch
 Gunner: Scott Buell

Pre Test:
 Clay Drops (mm):
 Drop Avg (mm):
 Clay Temp °F:
 Clay Box #:
 Post Test:
 Clay Drops (mm):
 Drop Avg (mm):
 Clay Temp °F:

AMMUNITION

Projectile: 20mm 830gr. FSP

Powder: WC872

STANDARDS / PROCEDURES

STANAG 4569 Level 2 (abbrev)

Required Velocity: 2066 fps ± 66 fps

SHOT NO.	PROJECTILE WT. (gr.)	POWDER WT. (gr.)	TIME 1 μ s (10 ⁻⁶)	TIME 2 μ s (10 ⁻⁶)	VELOCITY 1 ft/s	VELOCITY 2 ft/s	AVERAGE VELOCITY	PENET. P/C	OBLIQUITY	BFD	NOTES
1	830.1	405.0	2393	2395	2089	2088	2089	P	0°		
REMARKS: P=Partial Penetration C=Complete Penetration UH=Unfair Hit								TEST RESULTS: Test sample satisfied the ballistic requirements given.			
								FOOTNOTES:			