

ELEMENT MATERIALS TECHNOLOGY WICHITA

BALLISTIC RESISTANCE TEST

Date Received: December 30, 2024
 Via: Hand
 Returned Via: Hand

Record No.: SHD24004-2
 Test Date: December 30, 2024
 Customer: Safe Haven Defense

Test Conditions

Temperature: 71.1 °F
 Humidity: 43 %
 Test Standard: NIJ Standard 0108.01, September 1985
 Ballistic Resistant Protective Materials
 Classification: Type I (22LR, 38 Special)
 Test Reference: IAW Section 4.4, Table 1.
 Shots Required: 10 (5-Shots per Threat)
 Conditioning: Ambient (Dry)

Range 3

Muzzle to Screen 1: 5.00 ft.
 Screen 1 - 2: 5.00 ft.
 Screen 2 - Target: 5.50 ft.
 Midpoint to Target: 8.00 ft.
 Target to Witness: 0.50 in.
 Witness: 2024-T3 Aluminum

Sample Tested Description		Test / Ammunition Description				Chronograph		Test Results	
Manufacturer:	Safe Haven Defense	Shot No.	Shot Location	Degree Obliquity	Caliber	Bullet Weight (gr.) /Type	TIME sx-5	VELOCITY ft/s	Penetration
Model No.:	SW600BR (Tempered Glass)	1	Top Left	0°	22 LR	40 / LRHV	451.9	1106	No Penetration
Sample No.:	See Below	2	Top Right	0°			454.7	1100	No Penetration
Size:	18 x 18	3	Bottom Left	0°			459.3	1089	No Penetration
Thickness:	See Below	4	Bottom Right	0°			465.3	1075	No Penetration
Weight (lbs.):	See Below	5	Center	0°			463.5	1079	No Penetration
		6	Top Left	0°	38 Special	158 / LRN	580.6	861	No Penetration
		7	Top Right	0°			569.6	878	No Penetration
		8	Bottom Left	0°			550.8	908	No Penetration
		9	Bottom Right	0°			566.7	882	No Penetration
		10	Center	0°			570.8	876	No Penetration

This test was performed in accordance with the specification requirements and the results properly reflect the ballistic performance of the listed sample.

Element Materials Technology
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 Phone 316-832-1600

REMARKS / NOTES:

•Sample secured in customer provided wooden frame.

	Weight (lbs.)	Total Thickness (in.)
Sample 1	9.039	0.25 Tempered
Sample 2	9.680	0.25 Tempered

Shots 1-5: Test Weapon and Ammunition Used (IAW Section 4.4, Table 1.):

Reference: IAW Section 5.2.1.1
 Ammunition: .22 Long Rifle, 40 gr. (15.55g) Lead Round Nose High Velocity (LRNHV)
 Weapon: 10" .22 LR Barrel ICW Universal Receiver
 Propellant: Factory Load
 Test Velocity: 1050 +/- 50 ft/s (320 +/- 15 m/s)

Shots 6-10: Test Weapon and Ammunition Used (IAW Section 4.4, Table 1.):

Reference: IAW Section 5.2.1.2
 Ammunition: .38 Special, 158 gr. (15.55g) Lead Round Nose (LRN)
 Weapon: 8" .357 Magnum Barrel ICW Universal Receiver
 Propellant: Clays
 Test Velocity: 850 +/- 50 ft/s (259 +/- 15 m/s)

Shot Locations / Spacing:

•Minimum Requirement: 2.0" (50mm) shot-to-edge and shot-to-shot spacing per Paragraph 3.2 Fair Hit.
 Shots 1 - 5 (.22 LR):
 Shots 6 - 10 (.38 Special):

Sample Description:

•Customer Proprietary

Project Manager: Nold Technician(s): Montgomery