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28 January 2014
(HPWLI 000002168B)

Tejidos Especiales S.A.
Carrera 66 No. 5A-41
Bogota Columbia

Attention: Rocio Moscoso

In accordance with your instructions, H.P. White Laboratory, Inc. conducted Ballistic Resistance Testing of one (1) armor sample received 17 January 2014 via USPS.

Testing was conducted in accordance with the provisions of NIJ-STD-0108.01, BALLISTIC RESISTANT PROTECTIVE MATERIALS, dated September 1985, Level III, using caliber 7.62x51mm, 149 grain, M80 Ball ammunition. The test sample was rigidly fixtured on an indoor range 50.0 feet from the muzzle of a test barrel to produce zero degree obliquity impacts. Photoelectric infrared screens were positioned at 6.5 and 9.5 feet which, in conjunction with elapsed time counters (chronographs), were used to compute projectile velocities 8.0 feet forward of the muzzle. Penetrations were determined by visual examination of a 0.020-inch thickness alloy 2024T3 aluminum witness panel positioned 6.0 inches behind, and parallel to, the test sample. Table I presents a summary of the attached data record.

TABLE I. SUMMARY OF RESULTS

Test Sample		Ballistic Threat					Results
Number	Weight (lb)	Thickness (in) (a)	Caliber	Shots (b)	Velocity (fps)		Penetrations
					Maximum	Minimum	
Sample-2	6.75	0.923	7.62, M80	5	2787	2720	0

(a) Average of four corner thicknesses.
(b) Four impacts on 8 inch square, one impact in center.

Based on the data presented in Table I, the test samples submitted for testing SATISFIED the ballistic resistance requirements of NIJ-STD-0108.01, Level III. This conclusion is based on data obtained from having tested only the samples submitted, and should NOT be interpreted as an endorsement by H.P. White Laboratory, Inc. of the continuing quality, or performance, of any other items of the same, or similar, design.

The test samples are being discarded. Should you have any questions regarding this matter, or if we may be of any further service, please do not hesitate to contact us.

Very truly yours,

H.P. White Laboratory, Inc.

Kevin Black

KB/sz
Enclosures



H.P. White Laboratory, Inc.

BALLISTIC RESISTANCE TEST

Client : 5098:TEJIDOS ESPECIALES SA

Job No. : 000002168 Test Date : 1/23/14

TEST PANEL

Manufacturer : TEJIDOS ESPECIALES SA
Size : 15 X 15 in.
Thicknesses : 0.947, 0.898, 0.946, 0.901 in.
Avg. Thick. : 0.923 in.
Description : TENSYLON PANEL

Sample No. : SAMPLE-2 (M80)
Weight : 6.75 lbs.
Hardness : NA
Plies/Laminates : NA

Date Rec'd. : 1/17/14
Via : USPS
Returned : N/A

SET-UP

Shot Spacing : 4 ON 8" SQUARE - 1 IN CENTER
Witness Panel : 0.020", 2024-T3 ALUMINUM
Obliquity : 0 deg.
Backing Material : NA
Conditioning : AMBIENT

Primary Vel. Screens : 6.5 ft., 9.5 ft.
Primary Vel. Location : 8.0 ft. From Muzzle
Residual Vel. Screens : NA
Residual Vel. Location : NA
Range to Target : 50.0 ft.
Target to Wlt. : 6.0 in.

Range No. : 3
Temp. : 48 F
BP : 30.19 in. Hg
RH : 17%
Barrel No./Gun : R3/308
Gunner : WOLFE/A.CONTRERAS
Recorder : BONSALL

AMMUNITION

- (1) : 7.62mm Ball, M80, 149 gr.
- (2) :
- (3) :
- (4) :

Lot No. : UNKNOWN
Lot No. :
Lot No. :
Lot No. :

APPLICABLE STANDARDS OR PROCEDURES

- (1) : NIJ-STD-0108.01 LEVEL III
- (2) : REQUIRED VELOCITY: 2700-2800 fps.
- (3) :

Shot No.	Ammo.	Time 1 (usec)	Velocity 1 (ft/s)	Time 2 (usec)	Velocity 2 (ft/s)	Avg. Vel. (ft/s)	Penetration	Footnotes
1	1	1084	2768	1088	2757	2762	None	
2	1	1077	2786	1079	2780	2783	None	
3	1	1074	2793	1079	2780	2787	None	
4	1	1100	2727	1106	2712	2720	None	
5	1	1088	2757	1088	2757	2757	None	

<u>REMARKS :</u>	<u>FOOTNOTES :</u>