TESTING
CNAS L6011

Test Report

BJZ(2016) 582

Name: Ballistic Panel

Type: /

Test Sort: Commission Test

Client: Tuffy Packs, LLC.

Date: Aug. 10, 2016

Test Center of Ordnance and Equipment Research Institute, China Ordnance and Equipment Group

Quality Supervision and Inspection Center for Special Production of China Ordnance and Equipment

Test Report

Name	Ballistic Panel	Type	/
Client	Tuffy Packs, LLC.	Client Principal	Steve Naremore
Address	6726 Seinfeld Ct. Houston, TX 77069 USA	Telephone	832-643-7071
Manufacturer	Tuffy Packs, LLC.	Test Sort	Commission Test
Test Date	Aug. 3, 2016	Brand	/
Lot Number	/	Sample Quantity	1
Sample Number	YP160803-9	Sample State	Good
Standard	NIJ Standard-0101.04 Ballistic Resistance of Personal Body Armor		
Test item	Bulletproof Performance		
Test Conclusion	The ballistic panel (sample), which is provided by Tuffy Packs, LLC., has been tested by ball firing at normal temperature. The bulletproof performance conforms to Level IIIA of NIJ Standard-0101.04 Ballistic Resistance of Personal Body Armor. See the table and Picture 1-2.		
Remarks			

Editor: Yuan Hong **Censor:** Song Qiaqing **Approver:** Zhou Hongfeng

Test Report

Test place, environment（special requirement of environment）and test equipments	
Test place	Quality Supervision and Inspection Center for Special Production of China Ordnance Equipment
	/
Test environment（special requirement of environment）	Indoor: temperature 22℃, humidity 48%RH
	/
Test equipments	Universal Standard Measure Tools Ballistic Analytic System（No.329000001） Electro- balance（No.CSJL-00005） Testing Weapon: 9mm Uzi Sub-machine gun Testing Ammunition: 9mm Parabellum pistol cartridge
Character & Structure of sample	The sample is made of 24 layers of aramid UD (area density: 5.28kg/m^2), 0.5mm PC, 5.0mm EVA .

Test Table of Ballistic Panel

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Sample Number	Sample Weight (kg)	Protected Area (m^2)	Sample Condition	Shooting Distance (m)	Angle Incidence	Shooting Sequence	Muzzle Velocity (m/s)	Penetration	BFS Depth	
									Requirement (mm)	Measured Vaule (mm)
YP160803-9	0.83	0.19	Normal Temperature	5	0°	1	442	NP	⩽44.0	28.9
						2	441	NP		32.1
						3	436	NP		25.2
					Left 30°	4	446	NP		9.4
					Right 30°	5	445	NP		12.3
					0°	6	449	NP		16.8

Test Report

Picture 1 Impact Side

Picture 2 Backing Material