


**BALLISTIC RESEARCH CENTRE &
TESTING RANGE (BRCTR)**
ISO 9001 : 2015 Certified

Ref. No. : NFSU/BRCTR/BER/145/501/22

Date : 06/10/2022

BALLISTIC EVALUATION REPORT

NFSU File No.	NFSU/22/BER/145
Date of Report	06/10/2022
User Request Letter No.	-
Acceptance of tender No./ Tender Enquiry No./Supply order No.	-
Date of Trails	30/09/2022
Armor Type	Bullet Resistant Armor Panel (BRAP) Ballistic Rubber Tiles
Submitted by	SUNFLEX Ballistic Rubber Products
User/Indenter	-


(S.G Khandelwal)
Head

Note:-

1. The Test results of Ballistic evaluation of One (01) BRAP Ballistic Rubber Tiles submitted by SUNFLEX Ballistic Rubber Products are as per the sheet attached here with.
2. The test articles were brought to BRCTR-NFSU, Gandhinagar by the User/Supplier Representative as per their own specification / fabrication process.
3. BRCTR-NFSU, Gandhinagar is not responsible, directly or indirectly, for the quality of production lots being manufactured by the firm.
4. The report is Valid only for the particular item evaluated against specified ammunition & publication of these results in any abridges form is not allowed without the written approval from Head BRCTR-NFSU, Gandhinagar.
5. The tested and untested samples are returned back to the user/manufacturer representative after completion of the testing.
6. The test procedure is followed as per NIJ0108.01 (Level-III Modified).

Encl: Compliance Test-01.

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COMPLIANCE TEST-01

BASIC DETAILS


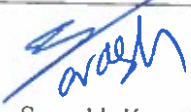
NFSU Test Sample ID	NFSU/BRCTR/22/BRAP/145/SUN/01	Trail Date	30/09/2022
Armor Type	BRAP (Ballistic Tiles for Rubber)	Sample ID:	01
		Grade	-
Type of Firearm	SN: 5327	Distance Of Firing	10m
Type of Ammunition	7.62×51mm	Room Temperature	30°C
Reference Velocity	838± 15 m/s	Humidity	51%
Conditioning If any	-	Time IN : -	Time Out : -
BFS Acceptance Criteria	-	Testing Standard	NIJ 0108.01 (level-III) modified

SAMPLE DESCRIPTION

Sample Type	Length (mm)	Breadth (mm)	Thickness (mm)	Weight (Kg)
BRAP	1000	500	42.66	> 30Kg

TEST DATA

Shot No.	Fair /Unfair	Angle of Firing	Velocity (m/s)	Perforation/No Perforation/Crack	Remark
1.	Fair	90°	842.2	No Perforation	-
2.	Fair	90°	854.8	No Perforation	-
3.	Fair	90°	861.5	No Perforation	-
4.	Fair	90°	852.4	No Perforation	-
5.	Fair	90°	839.3	No Perforation	-

Trail Officer, NFSU, Gandhinagar.	
 S. G. Khandelwal Head Ballistic Research Centre & Testing Range	 Saurabh Kumar Scientific Officer (Ballistics) Ballistic Research Centre & Testing Range
Manufacturer's representative(s) witnessed the trails: -	