



गृह मंत्रालय
MINISTRY OF
HOME AFFAIRS

राष्ट्रीय न्यायालयिक विश्वविद्यालय
(राष्ट्रीय महत्वका संस्थान, गृह मंत्रालय, भारत सरकार)
National Forensic Sciences University
(An Institution of National Importance Under Ministry of Home Affairs
Government of India)



**BALLISTIC RESEARCH CENTRE &
TESTING RANGE (BRCTR)**

ISO 9001:2015 Certified

Ref. No.:- NFSU/BRCTR/BER/348/92/2425

Date:- 03/03/2025

BALLISTIC EVALUATION REPORT

NFSU File No.	NFSU/2425/BER/348
Date of Report	03/03/2025
User Request Letter No.	-
Acceptance of tender No./ Tender Enquiry No./Supply order No.	-
Date of Trials	17/02/2025
Armor Type	Bullet Resistant Armor Panel (BRAP)
Sample Type Test	-
Submitted by	M/s. Sunflex Recycling Pvt Ltd
User/Indenter	-

(S.G. Khandelwal)
Head

Note: -

1. The Test results of Ballistic evaluation **One (01) BRAP**, submitted by M/s. Sunflex Recycling Pvt Ltd, 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-3)/ Modified.

Encl: Compliance Test - 01

Copy to:
Campus Director, Gandhinagar Campus, NFSU.

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COMPLIANCE TEST-01

BASIC DETAILS

NFSU Test Sample ID	NFSU/BRCTR/2425/BRAP/348/SUNFLEX/01	Trial Date	17/02/2025
Sample Type	BRAP / Sunflex Self Healing Ballistic Rubber Tiles*	Sample Id	01
Sample Type Test	-		
Type of Firearm	SN:5327	Distance of Firing	10 m
Type of Ammunition	7.62 × 51mm	Room Temperature	27°C
Reference Velocity	838 ± 15 m/s	Humidity	44 %
Testing Standard	NIJ0108.01 (Level-3)/Modified		


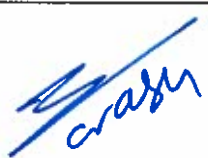
SAMPLE DESCRIPTION

Sample Type	Length (mm)	Breadth (mm)	Thickness (mm)	Weight (Kg)
BRAP	500	500	30*	41.00

TEST DATA

Shot No.	Fair / Unfair	Angle of Impact	Velocity (m/sec)	Perforation/ No Perforation/Crack	Remarks
1.	Fair	0°	852.1	No Perforation	-
2.	Fair	0°	853.4	No Perforation	-
3.	Fair	0°	850.3	No Perforation	-
4.	Fair	0°	838.0	No Perforation	-
5.	Fair	0°	853.1	No Perforation	-

*Details provided by supplier

Trial Officer, NFSU Gandhinagar.	
 Ishan Patel Senior Scientific Officer (Ballistics) Ballistic Research Centre & Testing Range	 Dr. Saurabh Kumar Scientific Officer (Ballistics) Ballistic Research Centre & Testing Range
Manufacturer's representative(s) witnessed the trials:	