

## TEST REPORT

2022CO6142

### DATE OF RECEPTION

14/05/2022

### DATE TESTS

Starting: 15/05/2022

Ending: 20/07/2022

### APPLICANT

Armory OÜ  
Veerenni 24  
ES-10135 Tallinn (Cáceres)  
Estonia

Att. Brendon Tiik

### IDENTIFICATION AND DESCRIPTION OF SAMPLES

REFERENCE	REFERENCE PROVIDED BY THE CUSTOMER	DESCRIPTION
2022CO6142-S01	PLATE Model nr: PL2530SA_SIC_M	PLATE Model nr: PL2530SA_SIC_M

### TESTS CARRIED OUT

- BALLISTIC RESISTANCE TEST.

Tests marked with \* are not included within the scope of the ENAC accreditation.





## SAMPLE/S DESCRIPTION

### Reference

2022CO6142-S01



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## RESULTS

### BALLISTIC RESISTANCE TEST

**Standard**

Perforation and Backface Signature Test (P-BFS) according to point 7.8 from NIJ 0101.06

**Standard deviation**

Tests method according to NIJ 0101.06 but modified according to the client: the complete test for classification is not carried out, only one plate to be tested with one shot 30.06 AP M2 at (878±9) m/s without pretreatment.

**Classification level**

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**Apparatus**

Shooting range 13037IE12

**Reference**

2022CO6142-S01

**Sample description**

250 x 300 mm plate with black protective cover and without carrier. It is 2966 g weight and 23.6 mm thick.

According to the information supplied by the client:

It is 250x300 mm plate with SiC+PE ceramic area 200x250 mm.

**Sample conditioned**

More than 24 h in test conditions

**Pretreatment**

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**Handload velocity test**

OK

**Velocity measurement**

The velocity measurement is made using optical barriers and radar. In the tables of results it is shown the speed at the impact point.

**Test shot distance**

15 m

**Strapping arrangement**

According to the standard NIJ 0101.06

**Requirements**

There should be no perforation of the sample and the traumas must not be higher than 44 mm.

**Test conditions**

22.1°C / 49.8% H.R.

**Test date**

14/07/2022 - 15/07/2022

**Roma #1 Plastiline Calibration**

AVERAGE: 20.0 mm (before the test) and 39°C

AVERAGE: 19.4 mm (after the test) and 37°C

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**Results by panel****Caliber 1**

30.06 AP M2 10.6 g at (878±9.1) m/s

POSITION	ANGLE	VELOCITY	FAIR HIT (Yes/No)	PERFORATION	TRAUMA (mm)
1	0 °	882,8	Yes	No	45,5

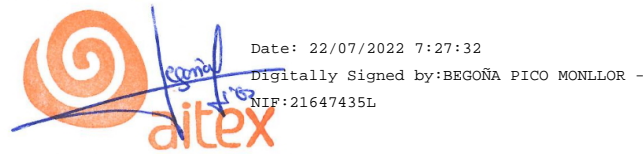
**Test uncertainty**

± 1.0 m/s in the velocity measurement and ± 0.2 mm in the trauma measurement.

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**Begoña Picó**  
Head of Public Tenders Division



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