

TEST REPORT

2022CO6144

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 |
|----------------|------------------------------------|-------------------------------|
| 2022CO6144-S01 | PLATE Model nr: PL2530SA_PE_M | PLATE Model nr: PL2530SA_PE_M |

TESTS CARRIED OUT

- BALLISTIC RESISTANCE TEST.

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





SAMPLE/S DESCRIPTION

Reference

2022CO6144-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 six shots 7.62 x 51 mm M80 at (848±9) m/s without pretreatment. All the BFS are recorded.

Classification level

Apparatus

Shooting range 13037IE12

Reference

2022CO6144-S01

Sample description

250 x 300 mm plate with black protective cover and without carrier. It is 1356 g weight and 32.5 mm thick.

According to the information supplied by the client:
It is UHMWPE 250x300 mm plate.

Sample conditioned

More than 24 h in test conditions

Pretreatment

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 / 49.6% H.R.

Test date

14/07/2022 - 15/07/2022

Roma #1 Plastiline Calibration

AVERAGE: 20.0 mm (before the test) and 38°C

AVERAGE: 18.9 mm (afterthe test) and 35°C

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

7.62 x 51 mm M80 9.6 g at (848 ± 9.1) m/s

| POSITION | ANGLE | VELOCITY | FAIR HIT (Yes/No) | PERFORATION | TRAUMA (mm) |
|----------|-------|----------|-------------------|-------------|-------------|
| 3 | 0 ° | 858,5 | Yes | No | 33,7 |
| 2 | 0 ° | 839,9 | Yes | No | 40,2 |
| 3 | 0 ° | 847,3 | Yes | No | 37,3 |
| 4 | 0 ° | 851,4 | Yes | No | 32,4 |
| 5 | 0 ° | 850,9 | Yes | No | 29,4 |
| 6 | 0 ° | 849,9 | Yes | No | 30,5 |

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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