

**BALLISTIC RESISTANCE TEST**

<b>Standard:</b>	<b>Test date:</b>
NIJ 0101.06:2008	23/07/2021 - 26/07/2021
<b>Caliber:</b>	<b>Test velocity:</b>
7.62x51 FMJ M80 9.6 g	(847±9.1) m/s



<b>Deviation of the standard:</b>	Test method according to the Perforation and Backface Signature Test (P-BFS) point 7.8 from NIJ 0101.06 but with the deviations according to the client: only one plate ICW soft panel is tested with the ammunition corresponding to level III. The thermal conditioning protocol according to the Hard Armor Conditioning Protocol paragraph 6 standard NIJ 0101.06 is not done. Only the drop test and the submersion are done before the ballistic test. All the back face deformation depths are recorded.
<b>Pretreatment:</b>	Drop test without thermal pretreatment and submersion according to paragraph 7.8.2 from the standard NIJ 0101.06.

SAMPLE TYPE	IDENTIFICATION	DIMENSIONS (mm x mm)	WEIGHT (g)	THICKNESS (mm)	ADDITIONAL DATA
PLATE	PLATE S-LW-Multi MHB-3P-ULW-ICW	300 x 250	875	14	Tested ICW soft panel 40 x 40 cm, 9 mm thick and 1191 g weight

IMPACT	ANGLE	VELOCITY (m/s)	COMPLETE PENETRATION	TRAUMA (mm)	REMARKS
1	0°	851.8	NO	42	---
2	0°	849.2	NO	37	---
3	0°	848.7	NO	38	---
4	0°	851.0	NO	27	---
5	0°	851.2	NO	22	---
6	0°	843.5	NO	26	---

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**BALLISTIC RESISTANCE TEST**

<b>Standard:</b>	<b>Test date:</b>
NIJ 0101.06:2008	26/07/2021 - 27/07/2021
<b>Caliber:</b>	<b>Test velocity:</b>
7.62x39 mm MSC 7.9g	(730±10) m/s
5.56 x 45 mm M193 3.6g	(960±10) m/s



<b>Deviation of the standard:</b>	Test method according to the Perforation and Backface Signature Test (P-BFS) point 7.8 from NIJ 0101.06 but with the deviations according to the client: only one plate ICW soft panel is tested with the ammunition according to the client (3 shots 7.62x39 MSC + 3 shots with 5.56x45 M193). The thermal conditioning protocol according to the Hard Armor Conditioning Protocol paragraph 6 standard NIJ 0101.06 is not done. Only the drop test and the submersion are done before the ballistic test. All the back face deformation depths are recorded.
<b>Pretreatment:</b>	Drop test without thermal pretreatment and submersion according to paragraph 7.8.2 from the standard NIJ 0101.06.

SAMPLE TYPE	IDENTIFICATION	DIMENSIONS (mm x mm)	WEIGHT (g)	THICKNESS (mm)	ADDITIONAL DATA
PLATE	PLATE S-LW-Multi MHB-3P-ULW-ICW	300 x 250	809	14	Tested ICW soft panel 40 x 40 cm, 8 mm thick and 1190 g weight

IMPACT	ANGLE	VELOCITY (m/s)	COMPLETE PENETRATION	TRAUMA (mm)	REMARKS
1	0°	741.9	NO	23	7.62x39MSC
2	0°	730.0	NO	23	7.62x39MSC
3	0°	738.6	NO	27	7.62x39MSC
4	0°	982.9	NO	14	5.56X45 M193
5	0°	992.3	NO	20	5.56X45 M193
6	0°	1002.4	NO	23	5.56X45 M193

Este informe se basa en datos obtenidos de los ensayos de las muestras enviadas por el cliente y no debe interpretarse como una ratificación por parte del Laboratorio de Ensayo de la calidad continua o del rendimiento de cualquier otro artículo de diseño igual o similar.

This report is based on data obtained from having tested only the samples submitted and should not be interpreted as an endorsement by the Test facility of the continuing quality or performance of any other items of the same or similar design.

Laboratorio Balística  
Ballistic Laboratory

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Date: 28/07/2021 18:29:01  
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