

Caliber Level III Maritime Armor

NIJ-STD-0101.06 Level III STAND ALONE MULTI-CURVE BALLISTIC INSERT

THINNESS: 1" (25.4 MM)

SHOOTERS CUT - MULTI CURVE - TORSO PLATES

PART NUMBER	WIDTH x LENGTH	WEIGHT
19-UHMWPE-M	9.5 x 12.5 in (234.95 x 317.5 mm)	3.5 lb (1.59 kg)
19-UHMWPE-L	10.5 x 13.5 in (255.7 x 342.9 mm)	4.2 lb (1.90 kg)



MANUFACTURING TOLERANCES SPC PLATES:
Thickness dimensions are +1/8 in (3.175 mm). Width and length dimensions are +0.00 to 0.1835 in (0.00 to 6.35 mm) All weights are +/- 5%.

THREAT PERFORMANCE MATRIX

MODEL NUMBER	LEAD CORE		MILD STEEL CORE
	5.56 x 45 mm - M193 Max Velocity 3150 f/s (960 m/s)	7.62 x 51 mm - M80* Max Velocity 2780 f/s (847 m/s)	7.62 x 39 mm - M56 Max Velocity 2380 f/s (725 m/s)
19-UHMWPE-M	6	6	6
19-UHMWPE-L	6	6	6

CALIBER ARMOR BALLISTIC RESIISTANCE TESTING PROTOCOL:

All testing was conducted on an indoor range at ambient conditions, in accordance with our instructions and the modified provisions of:
NIJ-STD-0101.06, Level III. Testing was conducted using caliber .762 x 51mm, M80 Ball, 149 grain ammunition. The test sample was positioned 25 feet from the muzzle of the barrel to produce zero (0°) obliquity impacts. Photoelectric infrared screens were located at 10.20 feet and 15.53 feet which, in conjunction with electronic chronographs, were used to compute bullet velocities at 12.86 feet forward of the muzzle. The striking velocity was computed using standard drag formulas. Penetrations are determined by visual examination of the 5.5-inch-thick clay backing material witness plate. Back-face signature was measured using a calibrated digital depth gauge.

* NIJ LEVEL III CERTIFICATION THREAT

GENERAL INFORMATION

Caliber Armor Maritime Body Armor design made with ballistic UHMWPE. Multi-shot rated. Finished with advanced formulated Polyurea Protective Coating. Buoyant. Made in the U.S.A

NIJ STANDARD-0101.06 III

Tested and verified to meet ballistic resistance as specified under NIJ Standard- 0101.06 plus special threat tested to the new draft ballistic NIJ Standards of 0101.07 RF1

EXPORT CONTROL ADVISORY

Model UHMWPE is subject to the Export Administration Regulations (EAR). It may not be sold or otherwise provided to any non-U.S. Person and/or exported or re-exported without a valid U.S. Department of Commerce BIS Export License, or applicable EAR license Exception.

DISCLAIMER

The information contained in this document is intended solely to provide general guidance. The right is reserved to make changes to this document without notice at any time. Nothing in this document (i) constitutes an offer, representation, warranty, term or condition or (ii) is a substitute for the need to employ adequate independent technical expertise and judgment.

QUALITY STANDARDS

Caliber Armor operates a documented quality management system to ensure the highest caliber armor available. Raw materials are tested prior to production and finished products are tested in credited ballistic laboratories.

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