

HARDWIRE

HARDWIRE NIJ LEVEL IIIA BODY ARMOR - 0.68 PSF TECHNICAL SPECIFICATION

General

Test Standard	NIJ Standard: 0101.06
Threat Type	Ballistic Level IIIA
Model	HW-2019-01-SB

Design

Configuration	Neutral
Armor Material	DSM Dyneema®
Armor Panel Covering	70D Brookwood Balloon HST

Performance

Areal Density	0.68 lbs/ft ²
Thickness	0.23 in (5.84 mm)
New V50 – .357 SIG FMJ (FN) 125 gr.	1849 ft/s (563.6 m/s)
Conditioned V50 – .357 SIG FMJ (FN) 125 gr.	1880 ft/s (573.0 m/s)
New V50 – .44 Mag SJHP 240 gr.	1790 ft/s (545.6 m/s)
Conditioned V50 – .44 Mag SJHP 240 gr.	1663 ft/s (506.9 m/s)
Backface Average – .357 SIG FMJ (FN) 125 gr.	26.0 mm
Backface Average – .44 Mag SJHP 240 gr.	36.0 mm

*Additional Special Threats **

Speer 357 Sig 125gr GDHP (23918) @ 1465 fps
Win 9mm 127gr. +P+ SXT (RA9TA) @ 1460 fps
Win 40 Cal 165gr SXT (RA40TA) @ 1230 fps
7.62x25 - 85gr. Tokarev Romanian @ 1550 fps
Fed 9mm 100gr Frangible (BC9NT3) @ 1100 fps
FNH USA 5.7x28mm 40 gr. Blue Tip SS197SR @ 1950 fps

HARDWIRE

FNH USA 5.7x28mm 27 gr. JHP Bullet SS195LF @ 2050 fps

Frag Testing V-50 (clay backing)

2 gr. 2632

4 gr. 2336

16 gr. 1990

64 gr. 1694

** All special threat testing was completed at an independent, certified NIJ laboratory and in accordance with a modified NIJ 0101.06 Standard unless otherwise stated.*