



# **SUMMIT**<sup>TM</sup>

ARMOR



**Honeywell**  
Ballistic Materials

**TEXTTECH**  
INDUSTRIES

**TEIJIN**  
Human Chemistry. Human Solutions

**Barrday**  
ADVANCED MATERIAL SOLUTIONS

**SAFARILAND**<sup>®</sup>



## TECHNICAL SPECIFICATION **SM02-II**

TEST STANDARD:	NIJ Standard: 0101.06
THREAT TYPE:	Ballistic Level II
MODEL:	BA-2000S-SM02

## DESIGN

CONFIGURATION	Neutral
<b>ARMOR MATERIAL</b>	<b>Honeywell® Spectra Shield® 5128, Honeywell® Gold Shield® 2117, Tex Tech Core Matrix Technology™</b>
ARMOR PANEL COVERING	Dual covered, 2 Ply, 70 Denier Textured Nylon and TPU Lamination System

## PERFORMANCE

AREAL DENSITY	<b>0.79 lbs/ft2 (3.86 kg/m2)</b>
THINNESS	<b>0.190 in (4.83 mm)</b>
NEW V50 - 9MM FMJ RN 124 GR.	<b>1770 ft/s (539 m/s)</b>
CONDITIONED V50 - 9MM FMJ RN 124 GR.	<b>1628 ft/s (496 m/s)</b>
NEW V50 - .357 MAG JSP 158 GR.	<b>1676 ft/s (511 m/s)</b>
CONDITIONED V50 - .357 MAG JSP 158 GR.	<b>1632 ft/s (497 m/s)</b>
BACKFACE AVERAGE - 9MM	<b>28.51 mm</b>
BACKFACE AVERAGE - .357 MAG	<b>33.02 mm</b>

### ADDITIONAL SPECIAL THREATS

- Winchester 9mm 127 gr. +P+ SXT - Tested Velocity 1250 ± 30 ft/s (381 ± 9 m/s) - No Perforations
- Federal 9mm 124 gr. +P HST - Tested Velocity 1250 ± 30 ft/s (381 ± 9 m/s) - No Perforations
- Speer .357 Sig 125 gr. GDHP - Tested Velocity 1375 ± 30 ft/s (419 ± 9 m/s) - No Perforations
- Winchester .40 S&W 165 gr. SXT - Tested Velocity 1140 ± 30 ft/s (347 ± 9 m/s) - No Perforations
- FNH USA 5.7x28 mm 40 gr. Blue Tip-SS197SR - Tested Velocity 1750 ± 50 ft/s (533 ± 15 m/s) - No Perforations
- Fragmentation Testing - 2 Gr. RCC - Tested Velocity 2396 ft/s (730 m/s)
- Fragmentation Testing - 4 Gr. RCC - Tested Velocity 2090 ft/s (637 m/s)
- Fragmentation Testing - 16 Gr. RCC - Tested Velocity 1826 ft/s (557 m/s)
- Fragmentation Testing - 64 Gr. RCC - Tested Velocity 1527 ft/s (465 m/s)

Special threats tested at an independent certified NIJ laboratory in accordance with Modified / Abbreviated NIJ 0101.06 Standard IAW Sec. 7.8.1 unless otherwise specified.

EXPORT CONTROLLED DATA

These commodities, technology or software are controlled for export in accordance with the U.S. Export Administration Regulations. Diversion contrary to U.S. law is prohibited.



## TECHNICAL SPECIFICATION **SM02-IIIA**

TEST STANDARD:	NIJ Standard: 0101.06
THREAT TYPE:	Ballistic Level IIIA
MODEL:	BA-3A00S-SM02

### DESIGN

CONFIGURATION	Neutral
<b>ARMOR MATERIAL</b>	<b>Honeywell® Spectra Shield® 5128, Honeywell® Gold Shield® 2115 and 2117, Tex Tech Core Matrix Technology™</b>
ARMOR PANEL COVERING	Dual covered, 2 Ply, 70 Denier Textured Nylon Ripstop and TPU Lamination System

### PERFORMANCE

AREAL DENSITY	<b>1.04 lbs/ft<sup>2</sup> (5.08 kg/m<sup>2</sup>)</b>
THINNESS	<b>0.250 in (6.35 mm)</b>
NEW V50 - .357 SIG FMJ FN 125 GR.	<b>1868 ft/s (569 m/s)</b>
CONDITIONED V50 - .357 SIG FMJ FN 125 GR.	<b>1758 ft/s (536 m/s)</b>
NEW V50 - .44 MAG JSP 240 GR.	<b>1720 ft/s (524 m/s)</b>
CONDITIONED V50 - .44 MAG JSP 240 GR.	<b>1564 ft/s (477 m/s)</b>
BACKFACE AVERAGE - .357 SIG	<b>27.48 mm</b>
BACKFACE AVERAGE - .44 MAG	<b>34.86 mm</b>

#### ADDITIONAL SPECIAL THREATS

- Meets/Exceeds Requirements of DEA Body Armor Test Protocol
- Meets/Exceeds Requirements of FBI Body Armor Test Protocol
- Winchester 9mm 127 gr. +P+ SXT - Tested Velocity 1250 ± 30 ft/s (381 ± 9 m/s)  
- No Perforations
- Federal 9mm 100 gr. Frangible - Tested Velocity 1100 ± 30 ft/s (335 ± 9 m/s)  
- No Perforations
- Speer .357 Sig 125 gr. GDHP - Tested Velocity 1375 ± 30 ft/s (419 ± 9 m/s) - No Perforations
- Winchester .40 S&W 165 gr. SXT - Tested Velocity 1140 ± 30 ft/s (347 ± 9 m/s)  
- No Perforations
- Romanian 7.62x25 85 gr. Tokarev - Tested Velocity 1530 ± 30 ft/s (466 ± 9 m/s)  
- No Perforations
- Fragmentation Testing - 2 Gr. RCC - Tested Velocity 2973 ft/s (906 m/s)
- Fragmentation Testing - 4 Gr. RCC - Tested Velocity 2617 ft/s (798 m/s)
- Fragmentation Testing - 16 Gr. RCC - Tested Velocity 2087 ft/s (636 m/s)
- Fragmentation Testing - 64 Gr. RCC - Tested Velocity 1731 ft/s (528 m/s)

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## TECHNICAL SPECIFICATION **SM02F-II**

TEST STANDARD:	NIJ Standard: 0101.06
THREAT TYPE:	Ballistic Level II
MODEL:	BA-2000S-SM02F

## DESIGN

CONFIGURATION	Structured
<b>ARMOR MATERIAL</b>	<b>Honeywell® Spectra Shield® 5128, Honeywell® Gold Shield® 2117, Tex Tech Core Matrix Technology™</b>
ARMOR PANEL COVERING	Dual covered, 2 Ply, 70 Denier Textured Nylon and TPU Lamination System

## PERFORMANCE

AREAL DENSITY	<b>0.79 lbs/ft<sup>2</sup> (3.86 kg/m<sup>2</sup>)</b>
THINNESS	<b>0.190 in (4.83 mm)</b>
NEW V50 - 9MM FMJ RN 124 GR.	<b>1717 ft/s (523 m/s)</b>
CONDITIONED V50 - 9MM FMJ RN 124 GR.	<b>1693 ft/s (516 m/s)</b>
NEW V50 - .357 MAG JSP 158 GR.	<b>1659 ft/s (506 m/s)</b>
CONDITIONED V50 - .357 MAG JSP 158 GR.	<b>1532 ft/s (467 m/s)</b>
BACKFACE AVERAGE - 9MM	<b>27.48 mm</b>
BACKFACE AVERAGE - .357 MAG	<b>32.18 mm</b>

### ADDITIONAL SPECIAL THREATS

- Winchester 9mm 127 gr. +P+ SXT - Tested Velocity 1250 ± 30 ft/s (381 ± 9 m/s) - No Perforations
- Federal 9mm 124 gr. +P HST - Tested Velocity 1250 ± 30 ft/s (381 ± 9 m/s) - No Perforations
- Speer .357 Sig 125 gr. GDHP - Tested Velocity 1375 ± 30 ft/s (419 ± 9 m/s) - No Perforations
- Winchester .40 S&W 165 gr. SXT - Tested Velocity 1140 ± 30 ft/s (347 ± 9 m/s) - No Perforations

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## TECHNICAL SPECIFICATION **SM02F-IIIA**

TEST STANDARD:	NIJ Standard: 0101.06
THREAT TYPE:	Ballistic Level IIIA
MODEL:	BA-3A00S-SM02F

### DESIGN

CONFIGURATION	Structured
<b>ARMOR MATERIAL</b>	<b>Honeywell® Spectra Shield® 5128, Honeywell® Gold Shield® 2115 and 2117, Tex Tech Core Matrix Technology™</b>
ARMOR PANEL COVERING	Dual covered, 2 Ply, 70 Denier Textured Nylon and TPU Lamination System

### PERFORMANCE

AREAL DENSITY	<b>1.04 lbs/ft<sup>2</sup> (5.08 kg/m<sup>2</sup>)</b>
THINNESS	<b>0.250 in (6.35 mm)</b>
NEW V50 - .357 SIG FMJ FN 125 GR.	<b>1863 ft/s (568 m/s)</b>
CONDITIONED V50 - .357 SIG FMJ FN 125 GR.	<b>1824 ft/s (556 m/s)</b>
NEW V50 - .44 MAG JSP 240 GR.	<b>1638 ft/s (499 m/s)</b>
CONDITIONED V50 - .44 MAG JSP 240 GR.	<b>1680 ft/s (512 m/s)</b>
BACKFACE AVERAGE - .357 SIG	<b>26.43 mm</b>
BACKFACE AVERAGE - .44 MAG	<b>36.19 mm</b>

#### ADDITIONAL SPECIAL THREATS

- Winchester 9mm 127 gr. +P+ SXT - Tested Velocity 1250 ± 30 ft/s (381 ± 9 m/s) - No Perforations
- FN 5.7x28 27 gr. JHP - Tested Velocity 2042 ± 30 ft/s (622 ± 9 m/s) - No Perforations
- FN 5.7x28 40 gr. V-Max - Tested Velocity 1748 ± 30 ft/s (533 ± 9 m/s) - No Perforations
- Romanian 7.62x25 85 gr. Tokarev - Tested Velocity 1530 ± 30 ft/s (466 ± 9 m/s) - No Perforations

Special threats tested at an independent certified NIJ laboratory in accordance with Modified / Abbreviated NIJ 0101.06 Standard IAW Sec. 7.8.1 unless otherwise specified.

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