

ADVANCED ARMOR

TENCATE

Aramid-Shield™ 1000 (ASII) (Soft Body Armor Material) Product Data Sheet

TenCate Advanced Armor engineers and manufactures ballistic resistant materials used in the design of soft and hard body armor products that meet or exceed U.S. Military, National Institute of Justice (NIJ), and international performance standards. Our advantage lies in our proprietary two-stage uni-directional and high pressure process that provides the perfect balance between increased ballistic resistance against a wide array of threats and the reduction of blunt force trauma.



PRODUCT NAME:

TenCate Aramid-Shield™ 1000 (ASII) Series

PRODUCT APPLICATION:

Concealable and Tactical Body Armor

CONSTRUCTION:

Uni-directional composite sheet cross-plyed at 0°/90°/0°/90° and sandwiched in a thermoplastic film

MANUFACTURING PROCESS:

Proprietary Two-Stage Uni-Directional and High Pressure

BASE FIBER/YARN:

DuPont Kevlar® 129

MODEL NUMBER:

AS-1000-57x61

STANDARD SHEET SIZE:

57" x 61" (1447.800 mm x 1549.400 mm)

AERIAL DENSITY:

11.376 ± 0.500 oz/yd² (385.712 ± 16.953 g/m²)
0.079 ± 0.003 lbs/ft² (3.857 ± .146 g/dm²)

THICKNESS:

0.014" ± 0.001" (0.356 mm ± .025 mm)

PERFORMANCE:

9 mm FMJ (V-50 / Clay) at 0.79 lbs/ft² (38.57 g/dm²) - 1579 fps (481.28 mps)
17gr FSP (V-50 / Clay) at 0.79 lbs/ft² (38.57 g/dm²) - 1584 fps (482.80 mps)
2gr RCC (V-50 / Clay) at 0.79 lbs/ft² (38.57 g/dm²) - 2502 fps (762.61 mps)
4gr RCC (V-50 / Clay) at 0.79 lbs/ft² (38.57 g/dm²) - 2156 fps (657.15 mps)
16gr RCC (V-50 / Clay) at 0.79 lbs/ft² (38.57 g/dm²) - 1815 fps (553.21 mps)
64gr RCC (V-50 / Clay) at 0.79 lbs/ft² (38.57 g/dm²) - 1303 fps (397.15 mps)
9 mm FMJ (V-50 / Clay) at 1.03 lbs/ft² (50.29 g/dm²) - 1711 fps (521.51 mps)
17gr FSP (V-50 / Clay) at 1.03 lbs/ft² (50.29 g/dm²) - 1814 fps (552.91 mps)
2gr RCC (V-50 / Clay) at 1.03 lbs/ft² (50.29 g/dm²) - 2722 fps (829.67 mps)
4gr RCC (V-50 / Clay) at 1.03 lbs/ft² (50.29 g/dm²) - 2436 fps (742.49 mps)
16gr RCC (V-50 / Clay) at 1.03 lbs/ft² (50.29 g/dm²) - 2055 fps (626.36 mps)
64gr RCC (V-50 / Clay) at 1.03 lbs/ft² (50.29 g/dm²) - 1621 fps (494.08 mps)

Note: 0.79 lbs/ft² = 10 layers 1.03 lbs/ft² = 13 layers

TenCate Advanced Armor Limited Warranty and Use and Care:

As stated in the TenCate Advanced Armor (TCAA) Limited Warranty Statement, TCAA warrants, for a period of sixty (60) months after the "date of issue" that the Soft Armor Materials, Soft and Hard Body Armor Products, and Hard Armor Solutions shall be free from defects in material and workmanship provided all products are used and maintained in accordance with TCAA's Use and Care Manual. A copy of the TCAA Limited Warranty and Use & Care Manual is included with every product or can be found at www.tencateadvancedarmor.com.

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 **TENCATE**
materials that make a difference