

United States Of America

NIJ Standard - 0101.04



| Test Variables | | | | | Performance Requirements | | | | | | |
|----------------|------------|--------------------|-------------------|------------------------------|--|--------------------|---|-----------------|------------------|------------------|-------------------|
| Armor Type | Test Round | Test Bullet | Bullet Weight | Reference Velocity (30 ft/s) | Hits Per Armor Part at 0° Angle of Incidence | BFS Depth Maximum | Hits Per Armor Part at 30° Angle of Incidence | Shots Per Panel | Shots Per Sample | Shots Per Threat | Total Shots Req'd |
| I | 1 | .22 caliber LR LRN | 2.6 g 40 gr. | 329 m/s (1080 ft/s) | 4 | 44 mm (1.73 in) | 2 | 6 | 12 | 24 | 48 |
| | 2 | .380 ACP FMJ RN | 6.2 g 95 gr. | 322 m/s (1055 ft/s) | 4 | 44 mm (1.73 in) | 2 | 6 | 12 | 24 | |
| IIA | 1 | 9 mm FMJ RN | 8.0 g 124 gr. | 341 m/s (1120 ft/s) | 4 | 44 mm (1.73 in) | 2 | 6 | 12 | 24 | 48 |
| | 2 | 40 S&W FMJ | 11.7 g 180 gr. | 322 m/s (1055 ft/s) | 4 | 44 mm (1.73 in) | 2 | 6 | 12 | 24 | |
| II | 1 | 9 mm FMJ RN | 8.0 g 124 gr. | 367 m/s (1205 ft/s) | 4 | 44 mm (1.73 in) | 2 | 6 | 12 | 24 | 48 |
| | 2 | 357 Mag JSP | 10.2 g 158 gr. | 436 m/s (1430 ft/s) | 4 | 44 mm (1.73 in) | 2 | 6 | 12 | 24 | |
| IIIA | 1 | 9 mm FMJ RN | 8.2 g 124 gr. | 436 m/s (1430 ft/s) | 4 | 44 mm (1.73 in) | 2 | 6 | 12 | 24 | 48 |
| | 2 | 44 Mag SJHP | 15.6g 240 gr. | 436 m/s (1430 ft/s) | 4 | 44 mm (1.73 in) | 2 | 6 | 12 | 24 | |
| III | 1 | 7.62 mm NATO FMJ | 9.6 g 148 gr. | 847 m/s (2780 ft/s) | 6 | 44 mm (1.73 in) | 0 | 6 | 12 | 12 | 12 |
| IV | 1 | .30 caliber M2 AP | 10.8 g 166 gr. | 878 m/s (2880 ft/s) | 1 | 44 mm (1.73 in) | 0 | 1 | 2 | 2 | 2 |

- Armour panels are tested on a backing of Roma Plastilina No 1, conditioned according to the standard.
- Armour panels are smoothed and repositioned often each shot. Patting down is permitted (allowed)
- Shots must be placed a minimum of 75 mm from the edge of the ballistic panel and not closer to a prior hit than 51mm
- Wet test: 3 min spraying from each side except the V50 panels. • Firing distance: 5m for level I, IIA, II, IIIA • Firing distance: 15m for level III, IV.