

Ballistic standard: STANAG 4569

NATO AEP-55 STANAG 4569 test conditions

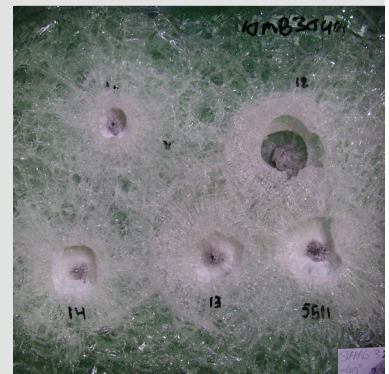
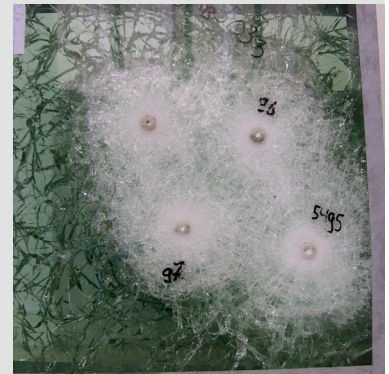
Standard NATO AEP-55 STANAG 4569 – “Protection levels for Occupants of Logistic and Light Armored Vehicles” describes the conditions under which armour for military vehicles is tested against bullet impact. The test requirements also apply for transparent armour, although an alternative shot pattern is allowed in this case (spacing of 120 mm). Allplast has tested its ST-range laminates according to these requirements at TNO’s ballistic testing laboratory. Although not a

direct requirement according to STANAG 4569, Allplast has decided to perform additional tests at low and high ambient temperatures, to ensure a high level of protection in extreme conditions.

Allplast has developed laminates according to levels I, II and III of this standard. These protection levels cover most military firearm threats, including high-power armour piercing sniper ammunition.

Protection level	Munition calibre	Projectile type	Velocity +/- 20 m/s	Shots	Spacing
Level I	7.62 x 51 NATO	Ball M80	833 m/s	3 - 4	120 mm
	5.56 x 45 NATO	Steel penetrator SS109	900 m/s	3 - 4	120 mm
	5.56 x 45 NATO	Ball M193	937 m/s	3 - 4	120 mm
Level II	7.62 x 39	Armour Piercing Incendiary	695 m/s	3 - 4	120 mm
Level III	7.62 x 51 NATO	Armour Piercing WC Core	930 m/s	3 - 4	120 mm
	7.62 x 54R	Armour Piercing Incendiary Dragunov	854 m/s	3 - 4	120 mm

The information in this brochure is given in good faith and to the best of our knowledge, but without warranty. Each user of our materials and products should determine for himself the suitability for a specific application and he/she is also liable for observing any proprietary or third party rights. It is always recommended to perform preliminary tests, since any test results on our products have been obtained under controlled conditions. Technical data concerning our products are typical values.



More information?

We would like to inform you about our services. Please call us for more information or an offer regarding your specific needs!

Schelde Rijnweg 6
4691 RW Tholen
The Netherlands

T +31 (0)166 603 884
F +31 (0)166 605 305
E info@allplast.nl

ALLPLAST

www.allplast.nl