

Beschussamt Mellrichstadt

Lohstraße 5, D-97638 Mellrichstadt
Tel.: 09776/70500, Fax: 09776/5457

Wiley X Europe LLC
Sondergade 8-10

DK-7570 Vemb

Test Report

Determination of the V-50 ballistic limit for body protection material according to STANAG 2920.

Report-no. : 08V097B01#, to order-no.: 8028
Test date ...: 11.04.2008
Tester: Volkheimer, Abe

Applicant : Wiley X Europe LLC
Manufacturer : Wiley X Europe LLC
Sample : Goggles NERVE #R-8051
Part-no. : -2-

The V-50 ballistic limit is determined by the average of an equal number of highest partial penetration velocities and the lowest complete penetration velocities which occur within a specified velocity spread.



Baumart

Mellrichstadt, 11.04.2008

The test results are only valid for the samples described in this report.

This report is only valid with the official seal and correspondence of the report numbers on all pages.

Duplication in extracts of this report is only allowed with written approval of the Beschussamt Mellrichstadt.

Beschussamt Mellrichstadt
Lohstraße 5, D-97638 Mellrichstadt

Report no. : 08V097B01#
Report part no.:
Date: 11.04.2008

Description of the sample in shooting direction (specification of the manufacturer):

1,8mm - 2,5mm thickness of the lens

Weight of the sample (g): 72

Test conditions:

Calibre: 3,600mm
Bullet type: acc. to STANAG 2920 A3/6723/6
Bullet mass (g): 0,325
Weapon: test barrel cal. .30, twist length 20 inch
Barrel length (mm): 650

Shooting distance (m): 3,80
Angle of incidence (degree): 90 (0° NATO)

Room temperature (°C): 22
Humidity (%): 33
Sample temperature..... (°C): 20

Conditioning of the sample:
24 hours at a temperature of 20 +- 2°C and a humidity of 65 +- 5%

Results:

hit no.	partial penetration		E(2,30) [J]	hit no.	complete penetration		E(2,30) [J]
	V(2,30) [m/s]	[fps]			V(2,30) [m/s]	[fps]	
2	238,0	780,8	9,2	1	249,0	816,9	10,1
3	240,0	787,4	9,4	4	252,0	826,8	10,3
5	240,0	787,4	9,4	6	254,0	833,3	10,5
average	239,3	785,1	9,3	average	251,7	825,8	10,3

V-50 Ballistic limit: [m/s] [fps] E-50 [J]

instrumental velocity V = 245,5 805,4 9,8
