



Ballistic Resistance Test

SMS Testing

201 McNamee Ln.
Rising Sun, MD 21911

Client: NZT Group
Job No.: 76-1468
Test Date: 2/17/2025

Test Panel

Description: Helmet shell with retention system and pads

Manufacturer:	NZT Group	Sample No.	0211-08 (.44 Mag SWC, V0-NIJ0106.01)	
Size:	-	Weight:	2.98 lbs.	
Avg Thick (in):	0.361	Plies:	-	
Thicknesses (in):	0.354	0.361	0.366	0.361

Setup

Shot Spacing: Per Customer Request	Muzzle to Target (ft):	16.4	Range No. 2
Witness Panel: Clay	Target to Witness (in):	6	Temp: 69.7 °F
Backing Material: NIJ Head form	VS Screen 1 (ft):	6.5	RH: 33%
Condition: Ambient	VS Screen 2 (ft):	9.5	Barrel/Gun: P027 (.44 Mag)
	Midpoint to Target (ft):	8.4	Technician: Mark
			Range Manager: Lance

Ammunition

Projectile	Lot No.	Powder
1 44mag SWC	Speer	Accurate No. 5
2		
3		

Applicable Standards or Procedure

1	NIJ Standard 0106.01 (Mod)
2	Per Customer Request
3	

Clay

Drops:	26.1, 26.3, 25.4 mm
Temp:	96.0 °F
Block No:	H-1

Shot Table

Shot No.	Ammo	Weight (Gr)	Time 1 (sec)	Vel. 1 (ft/s)	Time 2 (sec)	Vel. 2 (ft/s)	Velocity Average (ft/s)	Velocity Striking (ft/s)	Penetration	BFD (mm)	Obliq.	Notes
1	1	13	0.004663	1394	0.002154	1393	1394	1394	P	23.4	0°	Front
2	1	13	0.004710	1380	0.002174	1380	1380	1380	P	19.9	0°	Left
3	1	13	0.004663	1394	0.002154	1393	1393.5	1394	P	23.4	0°	Back
4	1	13	0.004690	1386	0.002166	1385	1385.5	1386	P	16.4	0°	Right
5	1	13	0.004690	1386	0.002166	1385	1385.5	1386	P	24.8	0°	Crown

Remarks

Remarks: Required velocity: 1400 ± 50 ft/s.