

DURITIUM IV+HS

Advanced Body Armor Plates

BALLISTIC RESISTANCE TEST											
NTS-Chesapeake Testing 4603B Compass Point Road Belcamp, MD 21017							Client: ShotStop Ballistics, LLC Job No.: 2631-029-2 Test Date: 11/16/2017				
Test Panel		Description: Proprietary.									
Manufacturer: ShotStop Ballistics, LLC						Sample No.: 090417-195					
Size: 10.00 x 12.00 in Avg. Thick: NA Thickness: NA				Weight: 5.48 lbs Plies/Laminates: NA				Date Received: 11/16/2017 Via: UPS Returned: UPS			
Setup											
Shot Spacing: NIJ-STD-0101.06 Level IV Witness Panel: Clay Backing Material: 5.5-in clay/plywood Condition: Dropped per NIJ-STD-0101.06				Primary Vel. Screens (ft): 37.000, 37.333, 46.667, 47.000 Primary Vel. Location (ft): 42.000 Range to Target (ft): 50.200 Target to Witness (in): 0.000				Range No.: 4 Temp: 72.6 °F BP: 29.7 inHg RH: 34.2% Barrel/Gun: CT-1665 Gunner: Chris Peddicord Recorder: Matt Settle			
Ammunition											
Projectile				Lot No.				Powder			
(1) .30-06-cal., 165-grain APM2				Military				N133			
Applicable Standards or Procedures											
Clay Drop 1 - Drop Time: 1:20 PM; Block No. 6; Temp: 92.4 °F; Drop Depths: 20.0mm,20.7mm,18.6mm,20.8mm,17.7mm (1) NIJ-STD-0101.06 Level IV (Modified) (2) Customer request											
Shot No.	Ammo	Weight (gr)	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Avg. Vel. (ft/s)	Penetration	Deformation (mm)	Obliq. (°)	Footnotes
1	1	162.4	3461	2889	3231	2889	2889	None	NA	0.0	(a)
2	1	163.7	3478	2875	3243	2878	2877	None	36.0	0.0	
3	1	162.8	3451	2898	3219	2899	2899	None	32.9	30.0	
<u>Remarks:</u> Required velocity: 2880 ±30 ft/s											
<u>Footnotes:</u> (a) Unable to obtain back face deformation.											



Call **800-986-0795** to learn more about our Ballistics solutions or visit www.shotstop.com

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