

BALLISTIC RESISTANCE TEST

Chesapeake Testing

121 Bata Boulevard, Suite F
Belcamp, MD 21017

Client: Mofet Etzion
Job No.: CD01-2008-R01BRT-05472
Test Date: 2/11/2008

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|----------------------------|------------------------------------------------------------|--------------------------|-------------|
| Test Panel | Description: Ceramic plus (2) Dyneema panels plus aluminum | | |
| Manufacturer: Mofet Etzion | | Sample No.: CDS-1 (20mm) | |
| Size: | See remarks | Heat No.: | NA |
| Thickness: | See remarks | Weight: | See remarks |
| Avg. Thick: | See remarks | Hardness: | NA |
| | | Plies/Laminates: | NA |
| | | Date Received: | 2/7/2008 |
| | | Via: | Fed Ex |
| | | Returned: | DHL |

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|-------------------|----------------------|------------------------|--------------|
| Setup | | | |
| Shot Spacing: | Per Customer Request | Primary Vel. Screens: | 15 ft, 35 ft |
| Witness Panel: | 0.02 in, 2024-T3 Al | Primary Vel. Location: | 25 ft |
| Obliquity: | 0 | Range to Target: | 45 ft |
| Backing Material: | NA | Target to Witness: | 6 in |
| Condition: | Ambient | | |
| | | Range No.: | Range 1 |
| | | Temp: | 69.9 °F |
| | | BP: | 30.18 inHG |
| | | RH: | 34 % |
| | | Barrel/Gun: | CDS-0217 |
| | | Gunner: | J. McDowell |
| | | Recorder: | Craig Thomas |

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| Ammunition | | |
| Projectile | Lot No. | Powder |
| (1) : 20-mm, 830-grain FSP | Lot No. : PTI 022007 | IMR 7828 |

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| Applicable Standards or Procedures |
| (1) Per Customer Request |

| Shot No. | Ammo | Time 1 (µs) | Vel. 1 (ft/s) | Time 2 (µs) | Vel. 2 (ft/s) | Avg Vel. (ft/s) | Striking Vel. (ft/s) | Penetration | Footnotes |
|----------|------|-------------|---------------|-------------|---------------|-----------------|----------------------|-------------|-----------|
| 1 | 1 | 6372 | 3139 | 6375 | 3137 | 3138 | 3045 | None | |
| 2 | 1 | 5388 | 3712 | 5391 | 3710 | 3711 | 3603 | None | |
| 3 | 1 | 5513 | 3628 | 5515 | 3626 | 3627 | 3521 | None | |

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| <p>Remarks: Ceramic panel; Weight: 59.93 lbs, Dimensions: 23.75 x 23.75 inch Four corner thickness: 0.982, 0.987, 0.988, 0.988 inch Dyneema Panel #1: Weight: 8.36 lbs, Dimensions: 23.75 x 23.75 inch Four corner thickness: 0.434, 0.425, 0.428, 0.423 inch Dyneema Panel #2: Weight: 8.45 lbs, Dimensions: 23.75 x 23.75 inch Four corner thickness: 0.430, 0.429, 0.426, 0.432 inch Aluminum panel: Weight: 27.77 lbs, Dimensions: 23.75 x 23.75 inch Four corner thickness: 0.497, 0.498, 0.498, 0.499 inch</p> | <p>Footnotes: Panel struck by customer 5 times with a 16 pound sledge hammer before test with sample mounted in fixture with no apparent damage to the panel.</p> |
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