

**Physical and Chemical Inspection Center  
in Non-metals Material of Ordnance Industries  
Certificate of Test**

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| <b>Laboratory Configuration</b>                |  |
|--|--|
| <b>Test Unit</b>                               | Physical and Chemical Inspection Center in Non-metals Material of Ordnance Industries  |
| <b>Ambient Test Conditions</b>                 | Temperature: 20°C; Relative Humidity:58%   |
| <b>Setup</b>                                   | Weapons: Ballistic Barrel<br>Bullets: .44 Magnum SJHP<br>Electrical chronometer (No.:6015)<br>Meter Rule (No.:LS02061)<br>Electronic Balance( No.:F40604303) |
| <b>Test Range</b>                              | 5m   |
| <b>Distance from Measuring Point to Target</b> | 2m   |
| <b>Sample Description</b>                      |  |
| <b>Sample Type</b>                             | SA-353   |
| <b>Sample No.</b>                              | LK19101401   |
| <b>Configuration</b>                           | PE UD / 4mm foam   |
| <b>Remarks</b>                                 | ※Client requirements: Every backface signature (BFS) depth of fair shots should be measured.   |

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**Results of Ballistic Resistance Test**

| <b>Sample Parameters</b> |   |                               |                                 |                      |
|--------------------------|---|-------------------------------|---------------------------------|----------------------|
| <b>Sample No.</b>        | <b>Size(mm×mm)</b>                                  | <b>Weight (g)</b>             | <b>Conditioning</b>             |                      |
| LK19101401               | 400 × 400   | 972                           | Normal Temperature and Humidity |                      |
| <b>Test Results</b>      |   |                               |                                 |                      |
| <b>Shot No.</b>          | <b>Velocity(m/s)</b>                                | <b>Angle of Incidence (°)</b> | <b>Results</b>                  | <b>BFS Depth(mm)</b> |
| 1                        | 434.1   | 0                             | Stop                            | 34.3                 |
| 2                        | 436.9   | 0                             | Stop                            | 37.4                 |
| 3                        | 440.5   | 0                             | Stop                            | 38.2                 |
| 4                        | 441.0   | +30                           | Stop                            | 27.5                 |
| 5                        | 439.1   | -45                           | Stop                            | 19.1                 |
| 6                        | 442.5   | 0                             | Stop                            | 36.3                 |
|                          | Blank   |                               |                                 |                      |
|                          |   |                               |                                 |                      |
|                          |   |                               |                                 |                      |
| <b>Remarks</b>           | Clay Drops: 19.2mm, 18.5mm, 18.7mm, 19.7mm, 19.3mm. |                               |                                 |                      |

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**Attached Pictures**



**Fig. 1 Armor Panel LK19101401 (strike face)**



**Fig. 2 Armor Panel LK19101401 (wear face)**