

**Technical Data Sheet**

## Detectable Underground Tape

This specification is intended to outline the physical and chemical properties of *PANDUIT*'s detectable underground tape and include the following part numbers and printable material identifiers:

Part Number Prefixes		
HTDU*		
GHTDU*		

Printable Material Suffixes		

**PRODUCT SPECIFICATIONS:**

Description:	GMDU is a detectable tape consisting of a 0.35 mil solid aluminum core encased in a protective plastic jacket. Tape shall be detectable up to a depth of 18 to 24 inches for a 3 inch wide tape and 24 to 30 inches for a 6 inch wide tape.
Standard Colors:	Orange, red and blue
Thickness:	5.5 mil. +/- 10% (complete laminate structure)

**PROPERTIES:**

Tensile Strength:	MD: 18 lb/in width (22.6 MPa) minimum (ASTM D-882)
Elongation:	MD: 50% minimum
Density:	Material density is 1.090 gm/cc (ASTM D792-66). Core density will vary depending on moisture conditions.
Cold Fracture:	After 5 hours at minus 30F (minus 34C) mounted on a steel plate, the material did not crack or fracture when a 0.5 lb (0.23 kg) round steel ball was dropped on it from a height of 24 inches (61 cm).
Resistance to Acids:	Resists acids of 4.0 pH for a minimum of 10 years duration
Resistance to Bases:	Resists bases of 10.0 pH for a minimum of 10 years duration
Elevated Temperature Exposure:	After 8 hours at 220°F (104°C) there was no deterioration of the material

**PERFORMANCE:**

**ASTM:** American Society for Testing and Materials (U.S.A.)

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