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TECHNICAL DATA SHEET

ProSolve Underground Warning Tape (Detectable)

DESCRIPTION

An EN12613 plastic tape used to help identify the presence of a underground pipe or service. The tape contains two stainless silver wires to make it detectable from the surface.

Products:

COMMS/DET	Communications	Green
ELECT/DET	Electric Cable	Yellow
GAST/DET	Gas Pipe	Yellow
HIGHVOLT/DET	High Voltage	Yellow
RISINGMT/DET	Rising Mains	Green
SEWERT/DET	Sewer Pipe	Red
SEWERPUMP/DET	Sewer Pumping Main	Red
STREETLT/DET	Street Lighting	Yellow
TELT/DET	Telephone Cable	Green
WATER/DET	Water Pipe	Blue

The colour coded tape, has the name of the service printed on it to help identify what is below it.

TAPE STRUCTURE

Size: 150mm x 100m

Core Material: LDPE

Protective Material: Polypropylene

Adhesive Used: Acrylic

Total Thickness: 130 microns (tolerance is +/-15%)

- LDPE (30 microns)
- Polypropylene (100 microns)

Steel Wires: AISI 304 Sp. 0.40MM - waveline with elongation of 25% (+/- 5%)

Recyclability: The film is completely recyclable with normal recovery systems.

Storing: With normal storing conditions and protected from the sunlight the film doesn't decompose.

TECHNICAL DATA

Melting Point: 120 - 126°C

Specific Weight: 0.920 – 0.930 g/cm³

EN12613 Test Results

Analysis	Unit	Value (*)		Test Method	Result
Tearing Elmendorf	[mN]	MD	1520.0	ASTM D 1922	Pass
		TD	7760.0		
Breaking strength	[N/mm ²]	MD	26.4	ASTM D 822	Pass
		TD	23.3		
Enervation point	[N/mm ²]	MD	10.0	ASTM D 822	Pass
		TD	12.2		
Elongation at enervation	[%]	MD	10.0	ASTM D 822	Pass
		TD	7.1		
Energy at break	[J]	MD	4.9	ASTM D 822	Pass
		TD	5.5		
Young Modulus	[N/mm ²]	MD	184.9	ASTM D 822	Pass
COF Static			0.24	ASTM D 1894	Pass

COF Dynamic		0.23	ASTM D 1894	Pass
Perforation strength	[N/mm]	2053.0	ASTM D 4649	Pass
Deformation to Perforation	[mm]	85.5	ASTM D 4649	Pass

IMPORTANT NOTICE

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