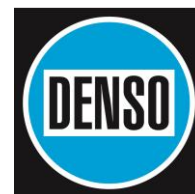
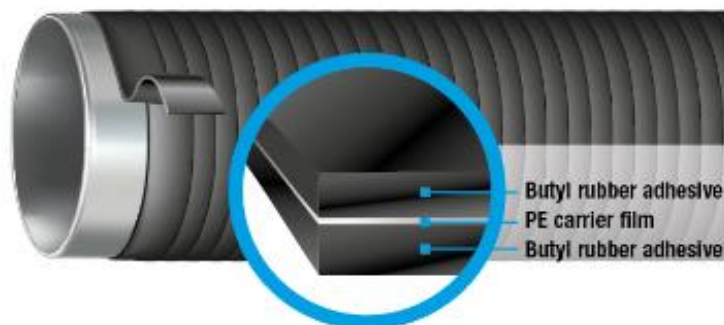







# DENSOLEN<sup>®</sup>-ET100



## Product information



### Special advantages:

-  For temperatures up to +100°C (+212°F).
-  No pre-heating of the pipe surface required.
-  Highly adaptable butyl rubber tape.
-  Fuses in the overlapping area to form a hose-like wrap.
-  Compatible with factory coatings made from PE, PP, FBE, PU, CTE and bitumen.

## 3-ply butyl rubber tape with thermally-stable butyl rubber coating on both sides and an overstretch prevention layer made from a stabilized polyethylene film.

For a century now, DENSO Group Germany has been representing experience, quality and reliability for corrosion prevention and sealing technology. The success of the internationally leading corporation is based on the development of the "DENSO-Tape", which was already patented in 1927 as the first product worldwide for the passive corrosion prevention of pipelines. Since then, the DENSO Group Germany has been establishing and guaranteeing the highest quality standards with technically trend-setting products. Research, development and production take place exclusively in Germany. Our employees continuously implement safe and individual solutions in a personal cooperation with the customer.

## Description

**DENSOLEN<sup>®</sup>-ET100** is a cold-applied 3-ply corrosion protection tape with butyl rubber adhesive on both sides and an overstretch prevention layer made from stabilized polyethylene film.

The 3-layer construction means that DENSOLEN<sup>®</sup>-ET100 fuses in the overlapping area to form a hose-like, leak-proof wrap, which

is effectively impermeable to water vapor and oxygen.

The special formulation of the butyl rubber adhesive gives DENSOLEN<sup>®</sup>-ET100 an exceptional thermal stability rating of up to +100 °C (+212 °F).

DENSOLEN<sup>®</sup>-ET100 is compatible with factory coatings made from PE, PP, FBE, PU, CTE and bitumen.

DENSOLEN<sup>®</sup>-ET100 is used as a corrosion protection inner tape in the tape system **DENSOLEN<sup>®</sup>-ET100/-R20 HT**, which has received certification for the stress class B 70 to EN 12068 and DIN 30672 by Enagas (Spain).

DENSOLEN<sup>®</sup>-ET100 can be processed efficiently with **DENSOMAT<sup>®</sup>** wrapping machines.

## Typical product properties

Property	Unit	Typical value	Test method
Carrier film color	-	Clear	-
Butyl adhesive color (inner)	-	Black	-
Butyl adhesive color (outer)	-	Black	-
Tape thickness	mm	≥ 1.0	ISO 4591 ASTM D1000
Carrier film thickness (approx.)	mm	≥ 0.025	
Inner adhesive layer thickness (approx.)	mm	≥ 0.5	
Outer adhesive layer thickness (approx.)	mm	≥ 0.5	
Elongation at break	%	≥ 200	DIN 30672
Tensile strength	+23°C (+73°F) N/cm	≥ 10	EN 12068
Dielectric strength	kV/mm	≥ 25	ASTM D149
Specific electrical resistance	Ω cm	≥ 10 <sup>16</sup>	ASTM D257
Water absorption	+23°C (+73°F) 1 day/30 days %	≤ 0.1 / ≤ 0.4	DIN 53495 ASTM D570
Operating temperature	°C (°F)	-40 to +70 (-40 to +158)	-

**DENSOLEN**® tapes can easily be applied by hand. Application is even more efficient with original **DENSOMAT**® wrapping machines. For **DENSOLEN**® tapes with widths >50 mm, we recommend the deployment of a **DENSOMAT**® wrapping machine, to ensure that the final workmanship is of a superior and uniform quality.

## Ordering information and packaging

	Core diameter (mm)	Roll length (m)	Roll width (mm)	Box contents			Weight per box (kg) (approx.)
				Number of rolls	Total tape length (m)	Tape area (m <sup>2</sup> )	
<b>DENSOLEN</b> ®-ET100	41	12.5	30	18	225	6.75	9.0
			50	12	150	7.5	10.0
			100	6	75	7.5	10.0
			150	6	75	11.25	15

Other lengths and widths are available on request.

## Storage

When stored in its original, unopened packaging, **DENSOLEN**®-ET100 can be stored for at least 60 months after the manufacturing date.

Storage temperature: ≤ +50°C (+122°F)

Store in a dry location and do not rest anything against the front of the product.

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