



### Special advantages:



For operating temperatures up to +50°C (+122°F).



Certified by DVGW in combination with DENSOLEN<sup>®</sup>-N15.



Flexible mechanical protective tape.



Compatible with factory coatings made from PE, PP, FBE, PU, CTE and bitumen.

## Co-extruded 2-ply plastic tape, made from a stabilized polyethylene carrier material and with a butyl rubber coating on one side.

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>-PE3** is a co-extruded 2-ply plastic tape made from a stabilized polyethylene carrier material with a butyl rubber coating.

DENSOLEN<sup>®</sup>-PE3 is used in **DENSOLEN<sup>®</sup>** corrosion protection systems as the outer tape, where it provides reliable mechanical protection for the inner 3-ply tape. The butyl rubber layer of the DENSOLEN<sup>®</sup>-PE3 tape fuses completely with the outer butyl rubber layer of the 3-ply inner tape to

form a reliable and leak-proof bond between the inner and outer tape.

Thanks to a tape thickness of  $\geq 0.4$  mm, DENSOLEN<sup>®</sup>-PE3 is a tape with superior flexibility and can be easily worked by hand.

DENSOLEN<sup>®</sup>-PE3 is an integral part of the field-joint coating system **DENSOLEN<sup>®</sup>-N15/-PE3**, which is DVGW-certified for a stress class of B 30 according to EN 12068 (reg. no.: NV-5180CQ0257).

**DENSOLEN<sup>®</sup>-N15/-PE3** is optimized for the requirements faced in municipal utility networks, and enables the rapid and reliable wrapping of pipeline components such as piping tees- and point of entry armatures.

DENSOLEN<sup>®</sup>-PE3 is compatible with factory coatings made from PE, PP, FBE, PU, CTE and bitumen.

DENSOLEN<sup>®</sup>-PE3 can be processed efficiently with **DENSOMAT<sup>®</sup>** wrapping machines.

## Typical product properties

Property	Unit	Typical value	Test method
Carrier film color	-	Black	-
Butyl adhesive color (inner)	-	Gray	-
Tape thickness	mm	≥ 0.4	ISO 4591 ASTM D1000
Carrier film thickness (approx.)	mm	≥ 0.22	
Inner adhesive layer thickness (approx.)	mm	≥ 0.18	
Elongation at break	%	≥ 250	DIN 30672 EN 12068
Tape strength	N/cm	≥ 40	
Operating temperature	°C (°F)	-40 to +50 (-40 to +122)	-

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

## Ordering information and packaging

	Diameter of inner core (mm)	Roll length (m)	Roll width (mm)	Contents per box			
				Number of rolls	Total tape length (m)	Total tape area (m <sup>2</sup> )	Weight (approx.) (kg)
<b>DENSOLEN</b> <sup>®</sup> -PE3	41	20	30	18	360	10,8	5
			50	12	240	12	6
			100	6	120	12	6

Additional dimensions available on request.

## Storage

When stored in its original, unopened packaging, **DENSOLEN**<sup>®</sup>-PE3 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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