



Special advantages:

- ✓ Certified by DVGW in combination with DENSOLEN[®]-N15.
- ✓ Genuine co-extruded two-layer tape.
- ✓ 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 one-sided butyl rubber coating.

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[®]-PE5 is a genuine co-extruded 2-layer plastic tape, made from a stabilized black polyethylene carrier material and with a butyl rubber coating on one side. The tape thickness is ≥ 0.5 mm.

DENSOLEN[®]-PE5 can be applied cold and is used as a mechanical protective tape for corrosion protection wrapping applied in

combination with **DENSOLEN[®]** 3-layer polymeric tapes.

DENSOLEN[®]-PE5 acts as an outer tape component in the tape system **DENSOLEN[®]-N15/-PE5**, which holds DVGW certification for the stress class C 30 as defined by DIN EN 12068. The tape system **DENSOLEN[®]-N15/-PE5** is ideally suited for use in the corrosion protection of metal

pipes and pipe fittings with complex geometries.

DENSOLEN[®]-PE5 is compatible with factory coatings made from PE, PP, FBE, PU, CTE and bitumen.

DENSOLEN[®]-PE5 can be processed efficiently with **DENSOMAT[®]** wrapping machines.

Typical product properties

Property	Unit	Typical value	Test method
Carrier film color	-	black	-
Butyl adhesive color (inner)	-	grey	-
Tape thickness	mm	≥ 0.5	ISO 4591 ASTM D1000
Carrier film thickness (approx.)	mm	≥ 0.3	
Inner adhesive layer thickness (approx.)	mm	≥ 0.2	
Outer adhesive layer thickness (approx.)	mm	-	
Elongation at break	%	≥ 450	DIN 30672
Tensile strength	+23°C (+73°F) N/cm	≥ 60	DIN 30672
Dielectric strength	kV/mm	≥ 40	DIN 53481
Water absorption	+23°C (+73°F) 1 day/30 days %	≤ 0.1 / ≤ 0.4	-
Operating temperature	°C (°F)	-40 to +50 (-40 to +122)	-

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)	Tape length (m)	Roll width (mm)	Box contents			Weight per box (kg) (approx.)
				Number of rolls	Total tape length (m)	Total tape area (m ²)	
DENSOLEN ®-PE5	41	15	30	18	270	8.1	6
			50	12	180	9	6
		30	50	12	360	18	11
			100	6	180	18	11
			150	6	180	27	16.5

Other dimensions available on request.

Storage

When stored in its original, unopened packaging, **DENSOLEN**®-PE5 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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