






### Special advantages:

-  For operating temperatures up to +50°C (+122°F).
-  Certified by DVGW in combination with DENSOLEN®-S20.
-  Genuine co-extruded three-layer tape with an especially thick inner butyl rubber coating.
-  Fuses in the overlapping area to form a hose-like wrap.
-  Compatible with factory coatings made from PE, PP, FBE, PU, CTE and bitumen.

## Co-extruded 3-layer plastic tape, made from a stabilized polyethylene carrier material and with a butyl rubber coating on both sides.

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®-N60** is a cold-applied corrosion protection tape for metal pipes and pipelines with small to very large diameters.

DENSOLEN®-N60 is a genuine co-extruded 3-ply polymeric tape made from a stabilized polyethylene carrier material and with a butyl rubber coating on both sides. The 3-ply construction means that **DENSOLEN®-N60** fuses in the overlapping area to form a hose-like, leak-proof wrap, which is effectively impermeable to water vapor and oxygen, and is

resistant to soil bacteria and electrolytes.

DENSOLEN®-N60 has a tape thickness of 1.2 mm, of which a thick, inner butyl rubber layer accounts for us much as >1.0 mm: this ensures outstanding coverage even for uneven surfaces and produces an accelerated self-bonding effect.

DENSOLEN®-N60 is compatible with factory coatings made from PE, PP, FBE, PU, CTE and bitumen.

DENSOLEN®-N60 acts as an anti-corrosion inner tape component in the tape system

**DENSOLEN®-N60/-S20**, which holds DIN-DVGW certification for the stress class C 50 as defined by DIN EN 12068 (reg. no.: NV5180BN0071), and which many network operators such as GASCADE and Open Grid Europe have deployed successfully for a great many years now.

DENSOLEN®-N60 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	-
Butyl adhesive color (outer)	-	Grey	-
Tape thickness	mm	≥ 1.2	ISO 4591 ASTM D1000
Carrier film thickness (approx.)	mm	≥ 0.14	
Inner adhesive layer thickness (approx.)	mm	≥ 1.0	
Outer adhesive layer thickness (approx.)	mm	≥ 0.06	
Elongation at break	%	≥ 450	DIN 30672
Tensile strength	+23°C (+73°F) N/cm	≥ 40	EN 12068
Electric strength	kV/mm	≥ 40	DIN 53481
Water absorption	+23°C (+73°F) 1 day/30 days %	≤ 0.1 / ≤ 0.4	DIN 53495 ASTM D570
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)	Roll length (m)	Roll width (mm)	Box contents			Weight per box (kg) (approx.)
				Number of rolls	Total tape length (m)	Tape area (m²)	
<b>DENSOLEN</b> ®-N60	41	10	50	12	120	6	8
			100	6	60	6	8
			150	6	60	9	12
	78	40-50	100	3	120-150	12-15	18-23
			150	2	80	12	18

Other dimensions available on request.

## Storage

When stored in its original, unopened packaging, **DENSOLEN**®-N60 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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