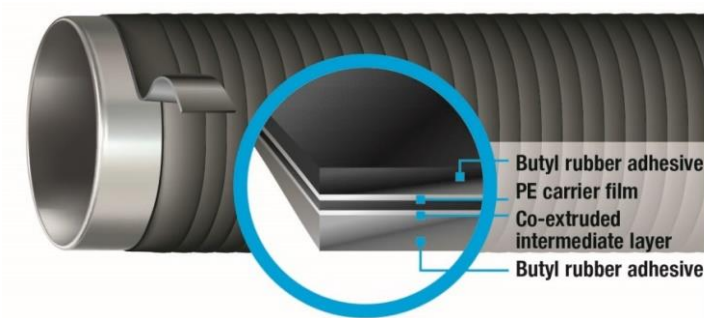







DENSOLEN[®]-S20

Product information



Special advantages:

-  For operating temperatures up to +50 °C (+122 °F).
-  Genuine co-extruded 3-ply tape.
-  Certified by DVGW in combination with DENSOLEN[®]-N60.
-  Fuses in the overlapping area to form a hose-like wrap.
-  Effectively impermeable to water vapor and oxygen.

Co-extruded 3-ply 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[®]-S20 is a cold-applied corrosion protection tape for metal pipes and pipelines with small to very large nominal pipe sizes.

DENSOLEN[®]-S20 is a genuine co-extruded 3-ply plastic tape made from a stabilized polyethylene carrier material and with a butyl rubber adhesive on both sides. DENSOLEN[®]-S20 has an overall thickness of ≥ 0.5 mm. The inner butyl rubber layer fuses completely with the outer layer to form a leak-

proof, hose-like wrap, which is effectively impermeable to water vapor and oxygen while also being resistant to soil bacteria and electrolytes.

DENSOLEN[®]-S20 is characterized by its superior flexibility and resilience, and is an excellent choice for deployment as the outer tape in **DENSOLEN[®]** tape systems.

As an outer tape, DENSOLEN[®]-S20 is a component of the tape system **DENSOLEN[®]-N60/-S20**.

DENSOLEN[®]-N60/-S20 satisfies all of the requirements for stress class C 50 according to EN 12068 and DIN 30672, and also has DIN/DVGW certification (reg. no.: NV5180BN0071).

DENSOLEN[®]-S20 is compatible with factory coatings made from PE, PP, FBE, PU, CTE and bitumen.

DENSOLEN[®]-S20 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)	-	Gray	-	
Butyl adhesive color (outer)	-	Black	-	
Tape thickness	mm	≥ 0.5	ISO 4591 ASTM D1000	
Carrier film thickness (approx.)	mm	≥ 0.28		
Inner adhesive layer thickness (approx.)	mm	≥ 0.16		
Outer adhesive layer thickness (approx.)	mm	≥ 0.06		
Elongation at break	%	≥ 600	DIN 30672 EN 12068	
Tape strength	N/cm	≥ 100		
Dielectric strength	kV/mm	≥ 40	DIN 53481	
Water absorption 1 day/30 days	+23°C (+73°F)	%	≤ 0.1 / ≤ 0.4	ASTM D570
Operating temperature	°C (°F)	-40 to +50 (-40 to +122)	-	-

DENSOLEN® tapes can easily be applied manually. 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

	Diameter of inner core (mm)	Roll length (m)	Roll width (mm)	Box contents			Weight per box (kg) (approx.)
				Number of rolls	Total tape length (m)	Total tape area (m²)	
DENSOLEN ®-S20	41	24	50	12	288	14,4	9
			100	6	144	14,4	9
			150	6	144	21,6	13,5
	78	50-70	100	3	150-210	15-21	9-13
			150	2	100-140	15-21	9-13

Additional dimensions available on request.

Storage

When stored in its original, unopened packaging, **DENSOLEN**®-S20 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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