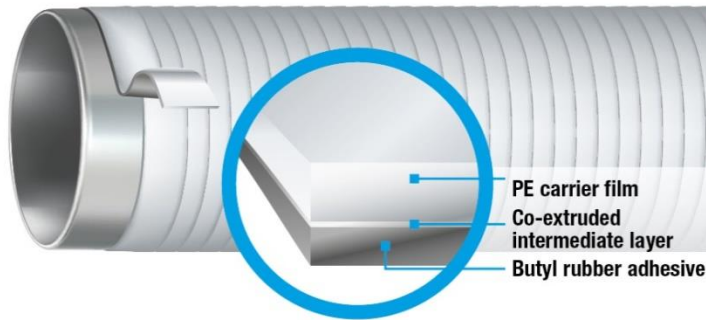


# DENSOLEN®-R20 HT

## Product information



### Special advantages:



For temperatures up to +100 °C (+212 °F).



DIN-DVGW certified with multiple tape systems.



Real co-extruded two-ply tape.



Excellent mechanical protection.



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

## Co-extruded 2-layer plastic tape, made from a high-tensile 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®-R20 HT** is a genuine co-extruded 2-ply polymeric tape made from a stabilized polyethylene carrier film with a butyl rubber coating on one side. The co-extruded intermediate layer guarantees an outstanding bond between the butyl rubber coating and the carrier film.

**DENSOLEN®-R20 HT** can be applied cold and is used as a mechanical protective tape for corrosion protection wrapping applied with **DENSOLEN®** 3-ply polymeric tapes. The butyl rubber adhesive on the DENSOLEN®-R20 HT fuses

completely with the outer butyl rubber layer of the DENSOLEN® 3-ply tapes.

**DENSOLEN®-R20 HT** is a component part of the following tape systems:

- **DENSOLEN®-ET100/-R20 HT**  
*For temperatures up to +100 °C*
- **DENSOLEN®-AS39 P/-R20 HT**  
*Stress class C 50 (EN 12068)*
- **DENSOLEN®-AS40 Plus/-R20 HT**  
*Stress class C 50 (EN 12068)*
- **DENSOLEN®-AS50/-R20 HT**  
*Stress class C 50 (EN 12068)*

When used in a system with **DENSOLEN®** 3-layer tapes,

**DENSOLEN®-R20 HT** is effectively impermeable to water vapor and oxygen, and is resistant to soil bacteria and electrolytes. **DENSOLEN®-R20 HT** also exhibits good UV stability.

**DENSOLEN®-R20 HT** is compatible with factory coatings made from PE, PP, FBE, PU, CTE and bitumen.

**DENSOLEN®-R20 HT** can be processed efficiently with **DENSOMAT®** wrapping machines.

## Typical product properties

Property	Unit	Typical value	Test method
Carrier film color	-	White, black or blue	-
Butyl adhesive color (inner)	-	Black	-
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	%	≥ 550	DIN 30672
Tensile strength	+23 °C (+73°F) N/cm	≥ 65	DIN 30672
Dielectric strength	kV/mm	≥ 35	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 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

	Core diameter (m)	Roll length (m)	Roll width (mm)	Box contents			
				Number of rolls	Total tape length (m)	Total tape area (m <sup>2</sup> )	Weight (kg) (approx.)
<b>DENSOLEN</b> ®-R20 HT	41	30	50	12	360	18	11
			100	6	180	18	11
			150	6	180	27	17
	78	70	100	3	210	21	13
			150	2	140	21	13

Other dimensions available on request.

## Storage

When stored in its original, unopened packaging, **DENSOLEN**®-R20 HT 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.

### DENSO GmbH

P.O. Box 150120 | 51344 Leverkusen | Germany  
Phone: +49 214 2602-0  
[www.denso-group.com](http://www.denso-group.com) | [info@denso-group.com](mailto:info@denso-group.com)

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