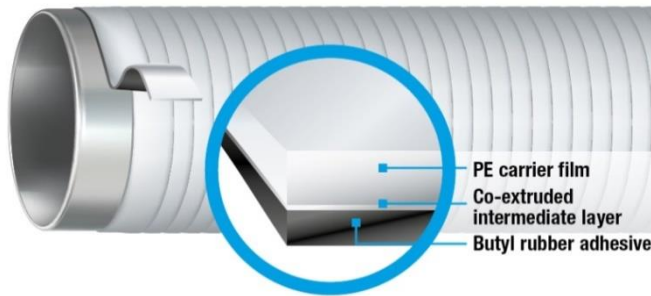


# DENSOLEN<sup>®</sup>-R25 HT

## Product information



### Special advantages:



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



Excellent mechanical protection.



Virtually impermeable to water vapour and oxygen.



Certified by bodies such as GRTgaz (FR) and TIGF (FR) in combination with DENSOLEN<sup>®</sup>-AS40 Plus.

## Co-extruded 2-ply plastic tape, made from a stabilised polyethylene carrier material with a 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<sup>®</sup>-R25 HT** is a co-extruded 2-ply plastic tape made from a stabilized polyethylene carrier material with a butyl rubber coating.

DENSOLEN<sup>®</sup>-R25 HT 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 coating of the DENSOLEN<sup>®</sup>-R25 HT tape fuses together completely with the outer layer of the 3-ply inner tape to form

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

With a tape thickness of  $\geq 0.65$  mm and a highly durable and impact-resistant polyethylene carrier film, DENSOLEN<sup>®</sup>-R25 HT can withstand even the toughest mechanical loads.

As an outer tape, DENSOLEN<sup>®</sup>-R25 HT is an integral part of the **DENSOLEN<sup>®</sup>-AS40 Plus/-R25 HT** tape system, which meets the requirements for stress class C 50 in accordance with DIN EN 12068.

Additionally, **DENSOLEN<sup>®</sup>-AS40 Plus/-R25 HT** is certified by GRTgaz (France) for the high stress class STHR, in accordance with the specification RV02 (certificate no. 214), and by other network operators such as TIGF and Technip (France).

DENSOLEN<sup>®</sup>-R25 HT is compatible with factory coatings made of PE, PP, FBE, PU, CTE and bitumen.

DENSOLEN<sup>®</sup>-R25 HT can be processed efficiently with **DENSOMAT<sup>®</sup>** wrapping machines.

## Typical product properties

Property	Unit	Typical value	Test method
Carrier film colour	-	white, black or yellow	-
Butyl adhesive colour (inner)	-	black	-
Tape thickness	mm	≥ 0.65	ISO 4591 ASTM D1000
Carrier film thickness (approx.)	mm	≥ 0.33	
Inner adhesive layer thickness (approx.)	mm	≥ 0.32	
Elongation at break	%	≥ 450	DIN 30672 EN 12068
Tape strength	+23°C (+73°F) N/cm	≥ 65	
Water absorption (1 day/30 days)	+23°C (+73°F) %	≤ 0.1 / ≤ 0.4	DIN 53495 ASTM D570
Operating temperature	°C (°F)	-40 to +50 (-40 to +122)	-
Design temperature	°C (°F)	-50 to +100 (-58 to +212)	-

**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

	Diameter of inner core (mm)	Roll length (mm)	Roll width (mm)	Box content			
				Number of rolls	Total tape length (m)	Total tape area (m²)	Weight (kg)
<b>DENSOLEN</b> ®-R25 HT	41	24	30	18	432	13	10
			50	12	288	14.4	11
			100	6	144	14.4	11
	78	100	100	3	300	30	13

Other dimensions available on request.

## Storage

When stored in its original, unopened packaging, **DENSOLEN**®-R25 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.

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