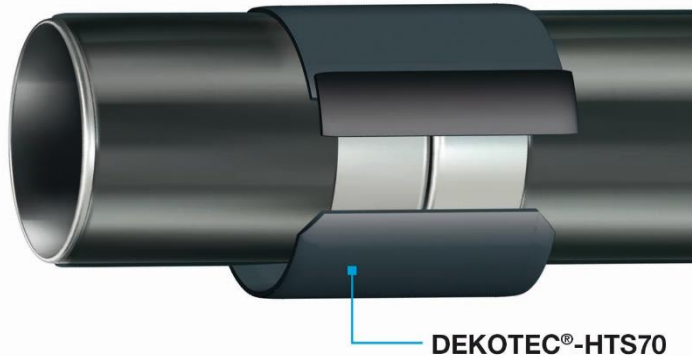


DEKOTEC®-HTS70

Product information



Special advantages:

- For operating temperatures up to +70 °C (158 °F).
- Three-layer system equivalent to 3LPE.
- Fulfills EN 12068-C HT 60 and DIN 30672-C HT 60.
- Fulfills ISO 21809-3, Type 14B-1.
- Lower preheating temperature than comparable competitive products.
- Outstanding peel strength and lap shear strength.
- Approval a.o. by Gaz de France (France), Enagás (Spain) and GOST R (Russia).

Hotmelt sleeve for high-load conditions for protecting welded seams on steel pipes against corrosion.

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

DEKOTEC®-HTS70 is a heat shrinkable sleeve made of an electron beam cross-linked polyethylene backing and a coating made from hot melt adhesive.

DEKOTEC®-HTS70 provides a permanent corrosion prevention on welding seams at steel pipes and pipelines.

DEKOTEC®-HTS70 can be used as two-layer or three-layer heat shrinkable sleeve system together with the **DEKOTEC®-EP Primer**. The surface preparation with **DEKOTEC®-EP Primer** provides an increased safety against failed applications and an in-

creased protection in case of damages to the encasement.

DEKOTEC®-HTS70 is compatible with factory coatings made of PE, PP, FBE, PU and Bitumen.

The performance of DEKOTEC®-HTS70 is shown internationally in many usages as well as the high number of certifications by DVGW (Germany), Gaz de France (France), Enagás (Spain), SVGW (Switzerland) and Synergrid (Belgium), as well as GOST R (Russia).

Beyond the standard classification, DEKOTEC®-HTS70 can be used for permanent operating temperatures of up to +70°C (+158°F).

Additional high quality heat shrinkable sleeves are available with **DEKOTEC®-HTS100** +100°C (+212°F) and **DEKOTEC®-HTS90** +90°C (+194°F) for higher operating temperatures. **DEKOTEC®-MTS55** and **DEKOTEC®-BTS60** +60°C (+140°F) as well as **DEKOTEC®-MTS30** +30°C (+86°F) are cost effective alternatives for lower temperature requirements.



Typical product properties

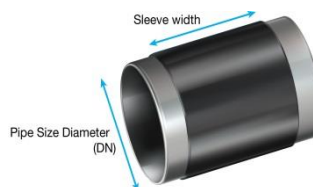
DEKOTEC®-HTS70 with DEKOTEC®-EP Primer

	Property	Unit	Typical value	Required value	Test method	
Adhesive	Softening point	°C(°F)	>+90 (>+194)	Not stated	ASTM E28	
	Lap shear strength	(+23°C/ +73°F)	N/cm ²	≥275	≥5	EN 12068 DIN 30672
		(+60°C/ +140°F)	N/cm ²	≥15	≥5	
Backing	Elongation at break	%	>500	-	EN 12068	
	Tensile strength	N/mm	>20	-	EN 12068	
		MPa (psi)	>20 (2900)	-	ASTM D638	
	Elongation at break after thermal aging (21 days at +150 °C / +302 °F)	%	>500	-	ASTM D638	
	Lap shear strength after thermal aging (21 days at +150 °C / +302 °F)	MPa	>20	-	ASTM D638	
	Dielectric strength	kV / mm	>35	-	ASTM D149	
	Volume resistivity	Ω · cm	≥10 ¹⁵	-	ASTM D257	
	Water absorption	%	<0.1	-	ASTM D570	
Hardness	Shore D	≥55	-	ISO 868 ASTM D2240		
System	Specific electrical insulation resistanc	Ω · m ²	≥10 ¹⁰	≥10 ⁸	EN 12068	
	Indentation resistance*	(+23°C/ +73°F)	mm	>2	≥0.6	EN 12068
		(+60°C/ +140°F)	mm	>2	≥0.6	EN 12068
	Impact resistance*	J	≥17	>15	EN 12068	
	Peel strength on pipe surface	(+23°C/ +73°F)	N / cm	≥100	≥5	EN 12068
		(+60°C/ +140°F)	N / cm	≥2.5	≥0.5	
	Peel strength on PE factory coating (+23°C/ +73°F)	N / cm	≥100	≥4	EN 12068	
Cathodic disbondment resistance (radius)	mm	<2	-	ASTM G8		

The listed values are based on a sleeve thickness of 2.6 mm (type S).

Ordering information and packaging

DEKOTEC®-HTS70 - S - 450MM - DN600



Nominal pipe diameter	Sleeves per box (pcs)
DN100	25
DN300	9
DN600	6
DN900	4

Additional information about package sizes can be obtained on request.

Pipe diameter (DN)					
DN 30 - DN 3000					
Sleeve width (mm)					
350, 450, 550, 650					
Type designation					
T	L	D	S	H	
1,0	1,0	1,0	1,0	1,0	Thickness PE film (millimeter)
0,8	1,2	1,4	1,6	1,8	Thickness coating (millimeter))
1,8	2,2	2,4	2,6	2,8	Total thickness (mm)
30	25	20	20	20	Length master roll (m)

The listed dimensions refer to the delivery condition. Additional dimensions available on request.

Customize sleeves include closure patches. **DEKOTEC®-CLP** closure patches are available for master rolls.

Storage

When stored in its original, unopened packaging, **DEKOTEC®-HTS70** 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

Felderstrasse 24 | 51371 Leverkusen | Germany
Phone: +49 214 2602-0 | info@denso-group.com
www.denso-group.com

Our product information, application recommendations and other printed publications provide advice to the best of our knowledge and indicate our level of knowledge at the time of printing. The content is not legally binding. Therefore, no liability is assumed for incorrect and missing advice. The applicator is obliged to check the suitability and possibility of application for the intended purpose. Unless otherwise specified, all of the brands named are trademarks of DENSO, at least registered in Germany, which are protected by law.

Only our general terms and conditions of sale, which you will find at www.denso-group.com, apply. This is a translation from the original German product information. In case of any discrepancy or any dispute arising on the interpretation, the German text of the respective German product information, which is available at www.denso-group.com, shall be decisive. The legal relationship shall be governed by German law.