

# Fact sheet ATIS Cableskin® base



page 1 of 2

## Description

- Corrosion protection coat in accordance with DIN 30672 and DIN EN 12068 for high corrosive strain.
- Asymmetrical 3-layer tape with a stabilized polyethylene carrier film that is coated with a permanently flexible plastic composition on a butyl rubber basis on both sides.
- For utilization immediately on the cable surface.



Butyl rubber  
Polyethylene carrier film  
Coextruded interlayer  
Butyl rubber

## Properties

- ATIS Cableskin® base fuses in the overlap area by cold shut to a closed, tubular, mechanically robust sheath which is practically impermeable to water vapor and oxygen.
- The tape adapts very well to the structure of the surface due to the thick butyl rubber layer and the soft carrier film. This creates a good form-locking and therefore a good adhesion on the cable surface.

Winding		Base layer		Test method
Colour	Carrier film		black	
	Butyl rubber, inside		grey	
	Butyl rubber, outside		black	
Tape thickness	Total thickness	mm	≥ 0,8	ISO 4591 ASTM D-1000
	Carrier film	mm	ca. 0,28	
	Butyl rubber, inside	mm	ca. 0,44	
	Butyl rubber, outside	mm	ca. 0,08	
Elongation at break		%	600	DIN EN 12068
Tensile strength at 23 °C		N/10mm	100	
Modulus at 10 % elongation		N/10mm	35	
Dielectric strength		kV/mm	35	ASTM D 149
Water absorption at 23 °C after 1 day/30 days		%	≤ 0,1/≤ 0,4	ASTM D-570
Saponification value carrierfilm and adhesive		mg KOH / g	1,0	DIN EN 12068
Permeability to water vapour		g/m <sup>2</sup> □ 24h	≤ 2 · 10 <sup>-1</sup>	DIN 53122
Permeability to oxygen			≤ 10 <sup>-4</sup>	DIN 53536
Brittleness temperature		°C	-46 ± 4	DIN 53372
			-58 ± 4	GOST10354
Continuous operating temperature		°C	-60 °C to 50 °C	
Max. temperature without mechanical load		°C	85°C	

## **Processing**

- Prior to the application of the tape the surface needs to be cleaned of loose particles, rust and grease.
- A solvent (e. g. petroleum ether free from aromatic compounds or ethyl alcohol) can be used to remove grease or oil where necessary.
- The surface must be dry.
- The taping can be carried out by hand or automatically with a 50 % overlap.
- ATIS Cableskin<sup>®</sup> Primer P can be used to increase the adhesion of the tape to the cable surface in the area of anchors.

## **Processing temperatures**

Environment:	-20 to +70 °C
Cable surface	-10 to +70 °C, above dew point
ATIS Cableskin <sup>®</sup> base:	-10 to +40 °C

## **Manufacturer**

DENSO GmbH, Leverkusen

## **Form of delivery and packaging**

6 rolls with separation film, 50 mm broad, 70 m per box 30 x 30 x 30 cm  
Weight: 18 kg gross

Available width: 20 mm –150 mm