






Special advantages:

-  For operating temperatures of -40°C (-40°F) to +30°C (+86°F).
-  DIN-DVGW approval for stress class A 30 in accordance with DIN 30672 and EN 12068.
-  High plasticity and flexibility.
-  Ideally suitable for complex surfaces of pipeline components.
-  Reliable and permanent corrosion prevention.

Cold applied petrolatum tape in accordance with DIN 30672 and DIN EN 12068 for the corrosion protective encasement of pipelines, pipeline components and metal structures.

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.

Product Description

DENSO[®]-Plast is a petrolatum tape in accordance with DIN 30672 and DIN EN 12068 that can be processed cold for the corrosion prevention encasement of pipelines and pipelines components, e.g. armatures, flange connections, branches and other metallic structures, in soil and water.

Beyond the application of pipeline construction, DENSO[®]-Plast is used for metal structures, grounding of lightning rods or pre-pressed anchors.

DENSO[®]-Plast with its advanced development is used for more than 90 years with an outstanding success and it fulfills the current quality standards for a permanent corrosion protection.

DENSO[®]-Plast consist of an impregnated polypropylene carrier nonwoven, which is coated on both sides with a corrosion prevention petrolatum mastic. In addition

DENSO[®]-Plast provides a single side laminated PP film, which prevents a washing out of the protective mass, e.g. caused by rising or falling groundwater.

The plastic petrolatum mastic of DENSO[®]-Plast completely moistens the surface to be protected and seals it reliably against corrosive media such as water and oxygen.

DENSO[®]-Plast has a DVGW approval for stress class A 30 in accordance with DIN 30672 and DIN EN 12068 (NG-5180AO0703) and it is therefore subject to frequent internal and external quality controls.

Standard designation:

- Coating DIN 30672 – A 30
- Coating EN 12068 – A 30



The encasement system DENSO[®]-Plast consists of three tape layers, which are either achieved with a wrapping process

with 66% overlap or two wrapping processes with an inner wrapping with 50% overlap and an additional outer wrapping with 10 mm overlap. DENSO[®]-Plast can be processed with a layer by layer application for components that are formed complicated and for which a spiral wrapping is not possible.

Compatible equalization and modeling mastics on petrolatum basis are available with **DENSO[®]-PF Mastic** and the **DENSO[®]-Plast Mastic** for the encasements of flanges and other complex geometries..

A rockshield **DEPROTEC[®]-DRM PP** or the polyurethane glass fiber fabric **DEPROTEC[®]-PUR** can be applied across the encasement to achieve an increased mechanical protection.

Typical Product Properties

Property	Unit	Typical value	Required value	Test method
Thickness	mm	app. 1,1	-	-
Carrier	-	Polypropylen-nonwoven	-	-
Thickness PP-laminate film	µm	55	-	-
System design	Primer	No primer	-	-
	Encasement	3 layers	-	-
Impact resistance (3 layers)	J	>4	>4	EN 12068
Indentation resistance, 0,1 MPa rod load (residual layer thickness)	mm	>2,4	>0,6	EN 12068
Specific electrical insulation resistance	Ω m ²	≥3*10 ⁷	≥10 ⁶	EN 12068
Cathodic disbondment resistance (+23°C (+73,4°F) / 28 days)	mm	≤4	≤20	EN 12068
Drip resistance (+50°C (+122°F) / 48h)	-	No dripping	No dripping	EN 12068
Low temperature unrolling test (-5°C / +23°F)	-	Passed	No separation, no crack development	EN 12068
Saponification number (petrolatum compound)	mg KOH / g	≤10	<25	EN 12068

Ordering Information and Packaging

Roll length 10 m

Roll width [mm]	Rolls per box	Tape length per box (m)	Tape surface per box (m ²)	Weight per box app. [kg]
20	60	600	12	13,5
30	36	360	10,8	12,5
50	24	240	12	13,5
75	12	120	9	10,5
100	12	120	12	13,5
150	6	60	9	10,5
200	6	60	12	13,5
250	4	40	10	11,5
300	4	40	12	13,5
400	4	40	16	18,0

Additional dimensions available on request.

Storage

When stored in its original, unopened packaging, **DENSO®-Plast** can be stored for at least 60 months after the manufacturing date.

Storage temperature: ≤ +30°C (+86°F)

The product must be stored dry, without load on the front surface.

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09.2021