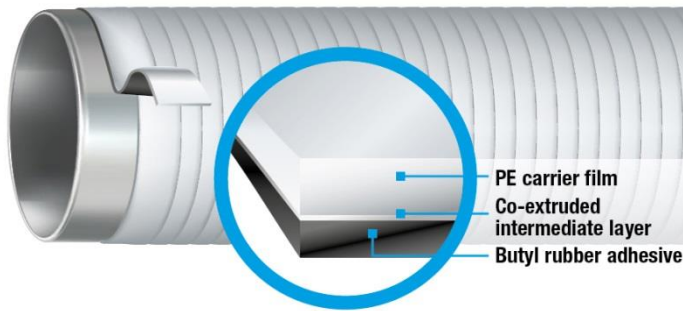


DENSOLEN®-R20 MP

Product information



Special advantages:



For temperatures up to +85°C (+185°F).



DIN-DVGW certified with DENSOLEN®-AS30.



Excellent mechanical protection.



UV-stabilised.



Excellent price/performance point.



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

A genuine co-extruded 2-ply plastic tape, made from a stabilized polyethylene carrier material with a butyl rubber adhesive 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 MP is a co-extruded 2-ply plastic tape made from a stabilized polyethylene carrier material with a butyl rubber coating.

DENSOLEN®-R20 MP is used in **DENSOLEN®** 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®-R20 MP 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.

Despite its relatively low thickness of ≥ 0.5 mm, DENSOLEN®-R20 MP exhibits outstanding resilience and impact strength, resulting in excellent impact resistance and indentation resistance for the field-joint coating system.

As an outer tape, DENSOLEN®-R20 MP is an integral part of the

DENSOLEN®-AS30/-R20 MP system, which is DIN/DVGW-certified for a stress class of B 50 according to EN 12068 (reg. no.: NG-5180CP0056).

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

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

Typical product properties

Property	Unit	Typical value	Test method
Carrier film color	-	white	-
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	
Elongation at break	%	≥ 550	DIN 30672 EN 12068
Tape strength	+23°C (+73°F) N/cm	≥ 65	
Dielectric strength	kV/mm	≥ 35	DIN 53481
Water absorption 1 day/30 days	+23°C (+73°F) %	≤ 0.1 / ≤ 0.4	-
Operating temperature	°C (°F)	-40 to +50 (-40 to +122)	-
Design temperature	°C (°F)	-50 to +85 (-58 to +185)	-

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 (m)	Roll width (mm)	Contents per box			
				Number of rolls	Total tape length (m)	Total tape area (m²)	Weight (approx.) (kg)
DENSOLEN ®-R20 MP	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 MP 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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03.2019