Kebulen Heat shrinkable sleeve C50-M
PRODUCT DATA SHEET

- Standard classification C50
- High tearing resistance
- Butyl rubber adhesive
- Resistant to soil stress
- Doesn't require primer
- Superior in-ground performance

Kebulen Heat shrinkable sleeve C50-M is a hot applied shrink sleeve for spigot and socket pipes according to EN 12068 and DIN 30672. It provides reliable corrosion protection due to its outstanding mechanical strength and its low permeability to moisture and oxygen. Kebulen Heat shrinkable sleeve C50-M meets the standard classifications C 50.

The carrier of Kebulen Heat shrinkable sleeve C50-M stands out due to high tearing resistance and robustness against overheating during application with open flame. Due to high viscosity at high temperature coatings with butyl rubber are superior to conventional hot melt adhesives. Butyl rubber doesn't melt bur softens so that it flows into voids and coves under the shrinking strain pressure. Thus, the material prevents voids instead of building them. This prevents the coating from wandering underneath the carrier and resulting differences of the thickness of the coating or even from oozing out of the coating.

STRUCTURE

Kebulen Heat shrinkable sleeve C50-M consists of a carrier made of stabilized, cross -linked polyethylene which is coated on the inside with permanently plastic material based on butyl rubber. After professional preparation of the pipe surface the shrinkable sleeve doesn't require any primer.

COATING

Kebulen Heat shrinkable sleeve C50-M is compatible with factory coatings of PE, PP, epoxy resin, PU and bitumen and ductile steel pipes. It can be used for **spigot and socket pipes**.

FORMS OF DELIVERY

	Length of roll [m]	Width of roll [mm]
HSS C50-M	30	300
	30	450

	Pipe diameter [DN]	Sleeve [mm]
HSS C50-M assembled	100	710
	125	800
	150	885
	200	1060
	250	1240
	300	1430
	350	1605
	400	1775
	500	2140
	800	3255
	900	3605

Other dimensions on request

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PROPERTIES

Property	Unit	Typical value	Standard
Total thickness DN < 150 DN ≥ 150	 mm mm	 ≈ 1,6 ≈ 1,8	 - -
Elongation at break	% %	850 790	DIN EN 12068 ASTM D 1000
Tensile strength	N/mm MPa MPA	40 25 15	DIN EN 12068 DIN EN 12068 ASTM D 1000
Hardness	Shore D	45	DIN 53505 / ISO 868
Impact resistance	J J/mm	16 8,6	DIN EN 12068 ISO 21809-3
Water absorption	%	0,08	DIN EN ISO 62 ASTM D 570
Indentation resistance pressure residual layer thickness	 N/mm² mm	23 °C 50 °C 10 10 1,1 0,8	 DIN EN 12068 DIN EN 12068
Cathodic disbondment resistance Radius @ 50 °C	 mm	 10	 DIN EN 12068
Dielectric strength	kV/mm	25	ASTM D 149
Peel strength - on pipe surface at 10 mm/min - on factory coating at 10 mm/min	 N/mm N/mm	23 °C 50 °C 1,0 0,2 1,0 0,2	 DIN EN 12068 DIN EN 12068
Lap shear strength at 10mm/min - to pipe surface - to PE/PP-factory coating	 N/mm² N/mm²	 23 °C 50 °C 0,1 0,06 0,1 0,06	 DIN EN 12068 DIN EN 12068

The information given in this publication is based on our knowledge and experience. The hints and instructions for use given therein have been compiled to the best of our knowledge on the basis of our tests and experience. Best results will be obtained if our products are used in a proper and expert way. Any protected rights and existing laws and regulations must be complied with the recipient. In all other respects our general terms and conditions shall apply.
-- Rev.: 01_17.06.2026 --

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