

# IsoSleeve 100

Specification **Insulation-sleeve for flange-insulations according to DIN – cathodic corrosion protection**

Dimensions For insulation-screws M 10 – M 52 according to DIN  
 (Dimensions depending on flange-screws, thickness of the flange sheets and insulation as well as steel washer)

## Insulation

Binder

Material

Appearance

polyester (spirally wound)

transparent / milky

	<i>unit</i>	<i>value</i>	<i>test method</i>
Sleeve's thickness (depending on flange-screws)	mm	0,5	
Density	g/cm <sup>3</sup>	1,7	DIN 53479
Dielectric strength at 25°C – DC	kV/mm	560	ASTM D 149-6 500 V/s voltage increase
at 150 °C – DC	kV/mm	320	
at 25 °C – AC 50 Hz	kV/mm	300	
at 150 °C – AC 50 Hz	kV/mm	240	
Dielectric number at 25 °C – 50 Hz		3,30	ASTM D 150-65T
at 25 °C – 1 kHz		3,25	
at 25 °C – 1 MHz		3,00	
Specific resistance at 25 °C	Ω/cm	10 <sup>18</sup>	ASTM D 150-65T
at 150 °C	Ω/cm	10 <sup>13</sup>	
Waterabsorption	Gew. %	< 0,1	DIN 53495
Operating temperature	°C	-30 bis +80	DIN IEC 60216/T1
Limit temperature	°C	100	VDE 0304/2

## Comments:

Specification is valued for a film of 6 µm.

IsoSleeve 100 made of polyester film is, because of its high insulation characteristic, even at very thin wall thickness suitable for insulating flange-screws, since normally there is a tight situation between screw bolt and flangeholes.

Little waterabsorption and high shear strength of the sleeve guarantees a reliable flange-insulation even at unfortunate conditions.

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