



**Data sheet**  
released Feb. 2007

**PVC insulating sleeve, without tissue (PVC 90°C)**  
produced in accordance to DIN 40621  
**(POS 105°C)**  
**(PO 120°C)**

**Application:**

The PVC sleeve **PVC** could be used in area of high and low voltage. Preferably used for broadcasting and television industry, for motor and transformer construction, apparatus, household appliances and vehicle electrics. These sleeves correspond CEI temperature class Y 90°C.

Insulating sleeve **POS** could be used for insulating and distinguishing of electrical constructions, connections and connections of electrical motors, transformer constructions for household appliances and apparatus industry.

**PO** insulating sleeves could be used for insulating and distinguishing of electrical conductions, connections and connections of electrical motors, transformer constructions, vehicle electrics and construction of electrical apparatus.

**Charakteristics:**

Electrical insulation sleeve **PVC** have excellent mechanical and dielectrical properties within a temperature range of -20°C to +90°C. They are resistant to most of solvents, acids and chemicals.

The **POS** electrical insulation sleeves are extruded of thermoplast (polyvinyl chloride), without tissue, which includes a softener for Polymere. Caused by using this softener, the sleeves get a better resistance to thermal and mechanical demands, which are shown in a better resistance to oil as well as to benzine. The sleeve is also resistant to most solvents. After drying 6 hours at a temperature of +130°C (+/- 5°C) the sleeve becomes more resistance to breaks and tears.

**PO** electrical insulation sleeves are also extruded of thermoplast (polyvinyl chloride), without tissue, also with high thermal and mechanical strength. It's resistant to most of solvents, chemicals, acids and suds.

**Storage:**

These sleeves best storage is at a temperature of +20°C and 65% atmospheric humidity. We recommend not to stack higher than 80 cms.

Our product or achievement data and other technical statements are only general guidelines - they describe only the condition of our products and achievements and represent no warranty in sense to § 443 BGB. Because of that variety of the intended purposes of the individual product and the respective special conditions is incumbent on the user own testing. In case of ambiguity the German version of this data sheet is legal. This data sheet replaces all preceding expenditures!

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**Properties:**

	PVC	POS	PO
Temperature class	Y (90°C)	A (105°C)	E (120°C)
Cold resistance	- 20°C		
Elongation at break	min. 800 times of its own weight per meter		
Extension	min. 100 %		
Breakdown voltage	Wandung 0,25 mm 0,40 mm 0,5 - 0,7 mm	1 Min. Stehspannung 3 kV 4 kV 5 kV	
Insulating resistance after storage of 24 h at 80 % rel. atmospheric humidity	1000 MΩ		
Shrinkage 15 Minutes at 150°C	max. 10 %		n. a.

**Annotation:**

**PVC-, POS- bzw. PO-Schläuche** are free of silicone. Only Vinylchlorid (CAS Nr. 75-01-4, EU-Index-Nr. 602-023-00-7) can be obtained. Further more there are no substances contained which must be declared.

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