

POL4

POL4 - Fiberglass + Poliurethane sleeving

POL4 is an insulating, high quality, fiberglass + polyurethane resin sleeving especially created as a connection insulation for electrical motors. The wall strength ensures a high resistance even in severe conditions while the special resin allows to keep a good conformability.

Thermal properties:

Thermal class: F
Working temp. -30°C +155°C
Peacks at 185°C

Packaging:

from mm. 0.5 up to mm. 4
rolls of mt. 200

from mm. 5 up to mm. 16
rolls of mt. 100

from mm. 18 up to mm. 20
rolls of mt. 50

Colour:

Amber yellow

(Colour tone may vary. This does not affect technical properties of the sleeve)

Breakdown voltage:

dry rupture (100°C) 4000 Volt

Dimensions:

| Inside Diam.mm. | Tolerance on diameter | Wall thickness |
|-----------------|-----------------------|----------------|
| 0,5 | + 0.3 / -0 | 0,45 ±0,12 |
| 1 | + 0.3 / -0 | 0,45 ±0,12 |
| 1,5 | + 0.3 / -0 | 0,45 ±0,12 |
| 2 | + 0.3 / -0 | 0,45 ±0,12 |
| 2,5 | + 0.3 / -0 | 0,45 ±0,12 |
| 3 | + 0.3 / -0 | 0,47 ±0,12 |
| 3,5 | + 0.3 / -0 | 0,47 ±0,12 |
| 4 | + 0.3 / -0 | 0,47 ±0,12 |
| 5 | + 0.3 / -0 | 0,50 ±0,12 |
| 6 | + 0.3 / -0 | 0,50 ±0,12 |
| 7 | + 0.3 / -0 | 0,50 ±0,12 |
| 8 | + 0.3 / -0 | 0,55 ±0,12 |
| 9 | + 0.3 / -0 | 0,55 ±0,12 |
| 10 | + 0.3 / -0 | 0,65 ±0,15 |
| 12 | + 0.5 / -0 | 0,65 ±0,15 |
| 14 | + 0.5 / -0 | 0,65 ±0,15 |
| 16 | + 0.5 / -0 | 0,65 ±0,15 |
| 18 | + 0.5 / -0 | 0,75 ±0,15 |
| 20 | + 0.5 / -0 | 0,75 ±0,15 |

Applications:

- Home appliances
- Motors and transformers
- Light industry
- General electrical applications

Main property:

| Property | Results |
|---------------|---|
| After heating | No cracking or detachment of the varnish film. It maintains its flexibility after several hours at 200°C. |
| Chemical | Compatible with most insulating varnishes. |

Pol4 has an extremely high wall mechanical strength, can resist to twisting, folding and vibrations. Its mechanical strenght do not compromise the excellent conformability. It has good resistance to chemicals like solvents and oils as well as molds and fungus.

It must be stored in a dry place, inside plastic bags, away from direct sunlight, weathering, chemical materials, direct heat sources or fire. Storage time is 12 months.



The values given above are believed to be accurate and given as a matter of information only. As usage conditions are beyond our control we suggest the customer to confirm values and product compatibility prior to its use. We don't guarantee nor accept any responsibility for any particular usage.



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