

## PRODUCT SPECIFICATION

# HEAT-SHRINKABLE TAPES

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### ➤ APPLICATION

Heat-shrinkable tapes Termogum have improved technical parameters as our advanced technology allows tapes to undergo vulcanization while shrinking. They create a tight insulation of any thickness needed, which becomes tighter over time. Tape at all times retain thermoplastic properties and it is also more flexible than before.

Moreover, butyl adhesives designed for application to heat-shrinkable tapes result in quicker shrinkage at the lower temperature, which contributes to reduced consumption of time and energy (propane / butane). Assembly has therefore become even easier and faster.



**Standard heat-shrinkable tapes dimensions**

Type	Dimensions (width/tape thickness/glue thickness/butyl substance thickness)
<b>I</b>	<u>100/05</u>
<b>I</b>	<u>25/05</u>
<b>I</b>	<u>50/05</u>
<b><u>TKT</u></b>	<u>100/05/03</u>
<b><u>TKT</u></b>	<u>150/05/03</u>
<b><u>TKT</u></b>	<u>25/05/03</u>
<b><u>TKT</u></b>	<u>50/05/03</u>
<b><u>TKT</u></b>	<u>100/1/03</u>
<b><u>TKT</u></b>	<u>150/1/03</u>
<b><u>TKT</u></b>	<u>200/05/03</u>
<b><u>TKT</u></b>	<u>50/1/03</u>
<b><u>TKTK</u></b>	<u>150/1/03/2</u>
<b><u>TKTK</u></b>	<u>220/1/03/2</u>

**Type T**

Heat-shrinkable electroinsulating tape is especially applied to bundling wires and electric cables, insulating links and removing damages to insulation of cables and wires, rust-proofing construction exposed to rubbing, mechanical damages, stress and corrosion.

**Type TKT**

Heat-shrinkable electroinsulating tape with heat melt adhesive creates durable and tight joint of elements of a construction. Adhesive is strongly sticky to metal, timber, plastic elements and sanitary ware. Heat-shrinkable electroinsulating tape with heat melt adhesive is used to installation of joints of ventilation pipes, protective pipes, wires, electric and telecommunication cables. Finished joints are resistant to mechanical stress, damages and corrosion.

**Type TKTK**

Heat-shrinkable electroinsulating tape with heat melt adhesive and butyl substance is used mainly to protects joints of pre-insulated pipes.

**➤ PROPERTIES OF HEAT-SHRINKABLE TAPES**

1. Shrinkage in length	30-40%
2. Tensile strength at break	min. 20 MPa
3. Elongation	Min. 250%
4. Force of tearing tape with hot melt glue	Min. 40 N/cm
5. Scope of the operating temperature	-30 do 70 °C
6. Temperature of shrinking	150 to 190 °C
7. Volume resistivity	in 23 °C: 2,1*10 <sup>16</sup> ohm*cm in 90 °C: 1,6*10 <sup>16</sup> ohm*cm
8. Dielectric strength	30 kV/mm
9. Water absorption (23°C, 24h)	max 0,1



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### ➤ **METHOD OF TAPE APPLICATION**

Wrap up heat-shrinkable tape closely around the element of a construction. Put so many layer, as you find it suitable and lap end.

Made coating heat to 150-190°C temperature. As a source of a heat we recommend using manual heater or gas burner. You can cease heating, when a tape fits tightly to the element of a construction or when adhesive starts to flow.

Leave coating to cool. Made coating is ready when a shrunk tape is of the ambient temperature.

### ➤ **PACKAGING AND STORAGE**

Heat shrinkable tapes should be stored indoors at a temperature of -5 °C to +35 °C. Depending on the type of the tape, they are supplied in 15, 20 or 30m sections on the roll.

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