

PRODUCT PROPERTIES

Description:

Heat shrinkable tube is fabricated from polyvinyl chloride added with various chemicals and formed by special machinery devices. There are also several characteristics of heat shrinkable listed as follows:

- Shrinks quickly to approximately 50% of its supplied folded width at temperature above 95°C.
- Semi-rigid and has high mechanical strength.
- Operates continuously from 30°C to above 100°C, even up to 200°C for short periods of time.
- Exhibits high dielectric strength.
- Possesses excellent chemical and solvent resistance.
- Easily marked by conventional hot stamp or ink wheel marking techniques.

Direction for uses:

Any heating instrument can be applied for heat shrinkable tube. There are two main methods listed as follows:

- By damp heating through hot water, vapor and heating oil. (Direct Heating)
- By dry heating of electric heater, hot wind, infrared ray and torch lamp. (Indirect Heating)

There are a variety of tubing sizes, according to diameter and uses of material, which can be chose to cover. The covering time and temperature are as follows:

In case of damp heating: For 2-3 seconds, at more than 95°C.

In case of dry heating: For 15-60 seconds, at more than 150-250°C.

For high production and more effective shrinkage, it is more adequate to utilize heating chamber with automatic thermostat and conveyer, combined with variable speed machine.

Properties

Data

Tensile Strength (kg/cm ²)	290
Elongation at Break (%)	100
Cold Bend Temperature (°C)	-15
Volume Resistivity@20°C (Ω-cm)	10 ¹²
Heat Test (105°C for 24hr)	No Crack
Colour	Available in a Standard Range of Colours
Colour Fstness to Water	Water Free from Colour
Bleeding and Blooming	No Appreciable Staining of Indicator Compound or Filter Paper

Shrinkage Ratio

Machine Direction (%)

16 ± 10

Transverse Direction (%)

50 ± 5