

3M™ Heat Shrink Tubing HDT

Shrink Ratio 3M™ Heat Shrink Tubing HDT has a 3:1 shrink ratio. When freely recovered, the tubing will be 33.3% of its as supplied diameter. The recovered wall thickness is proportionate to the degree of recovery.

Applications Can be used as cable sleeve, flame retardant, polyolefin for 1 kV or other long term environmental protection – highly chemical, abrasion and split resistant

Typical Properties Not for specifications. Values are typical, not to be considered minimum or maximum. Properties measured at room temperature 73°F (23°C) unless otherwise stated.

Physical Properties	Typical Value US units (metric)
Tensile Strength	2400 psi
Ultimate Elongation	475%
Longitudinal Change	+1, -10%
Secant Modulus	14,000 psi
Specific Gravity	1.28
*Heat Aging 7 Days @ 175°C (347°F)	Elongation 225%
*Heat Shock 4 hrs @ 225°C (437°F)	No dripping, cracking, flowing
*Low Temperature Flexibility 4 hrs. @ -55°C (-67°F)	No cracking
Flammability	Self-extinguish

Electrical Properties	Typical Value US units (metric)
Dielectric Strength	500 V/mil (60 mils)
Volume Resistivity	10 ¹⁴ ohm-cm

Chemical Properties	Typical Value US units (metric)
Corrosion Effect	Non-corrosive
Solvent Resistance Tensile Strength Dielectric Strength	1500 psi 200 v/mil
Water Absorption	0.02%
Fungus Resistance	Non-nutrient

*Outer wall only.