



TE Internal #: 1219034002

Heat Shrink Tubing, Black, Single Wall, .4 in [10 mm] Expanded Inside, .16 in [4 mm] Recovered Inside, 3:1 Shrink Ratio

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Heat Shrink Tubing



Primary Product Color: **Black**

Wall Type: **Single**

Expanded Inside Diameter (Min): **10 mm [.4 in]**

Recovered Inside Diameter (Max): **4 mm [.16 in]**

Shrink Ratio: **3:1**

Features

Product Type Features

Product Family	MT2000
Wall Type	Single

Electrical Characteristics

Voltage (Max)	1 kV
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Body Features

Fluid Type	Medical Fluids, Water
Primary Product Color	Black
Shrink Ratio	3:1
Primary Product Material	Medical Grade Crosslinked Polyolefin
Flexibility	Semi-Rigid

Dimensions

Recovered Wall Thickness (Nominal)	.36 mm[.014 in]
Expanded Inside Diameter (Min)	10 mm[.4 in]
Recovered Inside Diameter (Max)	4 mm[.16 in]

Usage Conditions

Shrink Temperature (Min)	140 °C
Fluid Resistance	Moisture/Spray Protection, Splash Protection
Heat Shrink Tubing Flammability	Non-Flame-Retardant



Operating Temperature Range	-40 – 135 °C
Heat Shrink Tubing Resistance	Fluids, Impact, Radiation Sterilization, Strain Relief
Recovery Temperature	140 °C

Product Availability

Applicable Region	Global
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Packaging Features

Packaging Method	Cut Piece, Spool, Stick
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Other

Product Source	US
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUL 2021 (219) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Documents



[Datasheets & Catalog Pages](#)

[Altera Medical-Grade, Very Thin Wall, Polyolefin Heat-Shrinkable Tubing](#)

English