



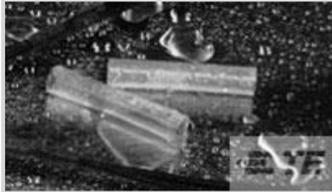
RAYCHEM | RAYCHEM ES-1000

TE Internal #: 193197P004

Heat Shrink Tubing, Clear, Dual Wall, .225 in [5.72 mm] Expanded Inside, .05 in [1.27 mm] Recovered Inside, 4:1 Shrink Ratio, RAYCHEM ES-1000

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Heat Shrink Tubing



Primary Product Color: **Clear**

Wall Type: **Dual**

Expanded Inside Diameter (Min): **5.72 mm [.225 in]**

Recovered Inside Diameter (Max): **1.27 mm [.05 in]**

Shrink Ratio: **4:1**

Features

Product Type Features

Product Family	ES1000
Wall Type	Dual

Electrical Characteristics

Voltage (Max)	.6 kV
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Body Features

Fluid Type	Water
Primary Product Color	Clear
Shrink Ratio	4:1
Primary Product Material	Irradiated Modified Polyolefin
Flexibility	Semi-Rigid

Dimensions

Recovered Wall Thickness (Tolerance)	1.2 mm[.047 in]
Cut Length	1220 – 1245.4 mm[48 – 49 in]
Expanded Inside Diameter (Min)	5.72 mm[.225 in]
Recovered Inside Diameter (Max)	1.27 mm[.05 in]

Usage Conditions

Shrink Temperature (Min)	110 °C
Heat Shrink Tubing Flammability	Non-Flame-Retardant



Operating Temperature Range	-40 – 130 °C
Heat Shrink Tubing Resistance	Abrasion, Fluids, Mechanical Damage, Strain Relief

Recovery Temperature	135 °C
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Product Availability

Applicable Region	Global
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Packaging Features

Packaging Method	Stick
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Other

Meets Low Outgassing Requirements	No
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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>



Compatible Parts



TE Part # 2326489-1
MODEL 105 TUNNEL OVEN, 36"
ENTRY, STANDAR



TE Part # 2394980-1
MOD 105 TUN OVEN, 69" ENTRY,
STANDARD



TE Part # 955018-000
CLTEQ-M105-TUNNEL-OVEN

Also in the Series | RAYCHEM ES-1000



Heat Shrink Tubing(50)

Documents

Datasheets & Catalog Pages

[ES1000 Pages from 9-1773447-9](#)

English

[Semirigid, Adhesive-Lined Heat-Shrinkable Tubing \(Extended Temperature Range\)](#)

English

[Measuring_Single_Wall_Tubing](#)

English

[Selecting_Correct_Tubing](#)

English

Product Specifications

[Quality Specification](#)

English

Product Environmental Compliance

[Safety Datasheet](#)

English

[Safety Datasheet](#)

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