

TUGA-GP-38/19-0-SP ✓ ACTIVE

RAYCHEM | RAYCHEM TUGA-GP

TE Internal #: 6520714002

Heat Shrink Tubing, Black, Single Wall, 1.496 in [38 mm] Expanded Inside, .748 in [19 mm] Recovered Inside, 2:1 Shrink Ratio, RAYCHEM TUGA-GP

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Heat Shrink Tubing



Primary Product Color: **Black**

Wall Type: **Single**

Expanded Inside Diameter (Min): **38 mm [1.496 in]**

Recovered Inside Diameter (Max): **19 mm [.748 in]**

Shrink Ratio: **2:1**

Features

Product Type Features

Product Family	TUGA-GP
Wall Type	Single

Electrical Characteristics

Voltage (Max)	.6 kV
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Body Features

Fluid Type	Engine Oil, Gasoline, Hydraulic Fluid
Primary Product Color	Black
Shrink Ratio	2:1
Primary Product Material	Irradiated Modified Polyolefin
Flexibility	Semi-Flexible

Dimensions

Recovered Wall Thickness (Tolerance)	.15 mm[.006 in]
Recovered Wall Thickness (Nominal)	1 mm[.039 in]
Expanded Inside Diameter (Min)	38 mm[1.496 in]



Recovered Inside Diameter (Max)	19 mm[.748 in]
Heat Shrink Tubing Size Range	19 – 38 mm[.075 – 1.496 in]

Usage Conditions

Shrink Temperature (Min)	85 °C
Fluid Resistance	Splash Protection
Heat Shrink Tubing Flammability	Non-Flame-Retardant
Operating Temperature Range	-55 – 125 °C
Heat Shrink Tubing Resistance	Fluids, Mechanical Damage
Recovery Temperature	110 °C

Product Availability

Applicable Region	Global
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Packaging Features

Packaging Method	Box
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Other

Meets Low Outgassing Requirements	No
Product Source	US

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: JAN 2022 (223) 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

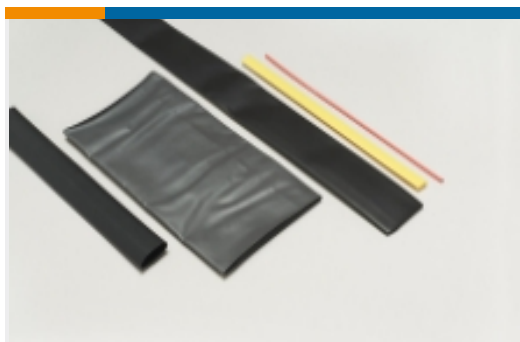


TE Part # CJ2087-000
HL2010E-KIT-120V



TE Part # EG1114-000
CV1981-ST-230V1600W-EU

Also in the Series | RAYCHEM TUGA-GP



Heat Shrink Tubing(12)

Documents

Datasheets & Catalog Pages

[TUGA-GP Pages from 9-1773447-9](#)

English

Product Specifications

[Quality Specification](#)

English