



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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DATASHEET

HXCT Continuous Tubing

HXCT continuous tubing is a thin walled, zero halogen, low smoke, low toxicity, radiation cross-linked polyolefin heat shrinkable marker sleeve. The marker sleeve is supplied on spools and is printed and cut/perforated to the desired length using the printer systems referenced.

Material

The sleeving shall be fabricated from irradiated, thermally stabilised and flame retarded modified polyolefin compound containing no halogens or cadmium in the formulation.

Dimensions

| Part Description | Supplied ID mm (in) | Recovered ID mm (in) | Recovered wall nominal. mm (in) |
|------------------|------------------------|-------------------------|---------------------------------------|
| HXCT-2.4 | 2.4 (0.094) | 1.19 (0.047) | 0.50 (0.02) |
| HXCT-3.2 | 3.2 (0.126) | 1.6 (0.063) | 0.50 (0.02) |
| HXCT-4.8 | 4.8 (0.189) | 2.4 (0.094) | 0.51 (0.02) |
| HXCT-6.4 | 6.4 (0.250) | 3.2 (0.126) | 0.65 (0.026) |
| HXCT-9.5 | 9.5 (0.375) | 4.8 (0.189) | 0.65 (0.026) |
| HXCT-12.7 | 12.7 (0.500) | 6.4 (0.250) | 0.65 (0.026) |
| HXCT-19.0 | 19.0 (0.750) | 9.5 (0.375) | 0.75 (0.030) |
| HXCT-25.4 | 25.4 (1.0) | 12.7 (0.50) | 0.90 (0.035) |
| HXCT-38.1 | 38.1 (1.5) | 19.1 (0.75) | 1.00 (0.039) |

Print System

The recommended Printer Ribbon Systems for use with HXCT are shown in the latest version of document 411-121005 Identification Printer Product Ribbon Matrix

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PROPERTIES

Adherence of Marking

Print legible after 50 rubs
RW-2072 Clause 3.8.1
(In accordance with SAE-AS5942)

Fluid Resistance

| | | |
|--|--|--|
| IRM902 MIL-PRF-23699 Skydrol LD-4 MIL-H-83282 JP-8 Diesel Fuel Propylene Glycol de-icing fluid 50/50 Tap water 5% Sodium chloride solution 1% Teepol | 24 hour total immersion at 24°± 3°C Print legible after after 20 wipes | RW-2072 Clause 3.8.2 (in accordance with SAE AS 5942) |
| Isopropyl alcohol | Saturated cloth wipe | RW-2072 Clause 3.8.2 (in accordance with SAE AS 5942) |
| HCL 5% solution NaOH 5% solution | 1min. at 23°C, 10 wipes – C8 ¹ min. 1min. at 23°C, 10 wipes – C8 ¹ min. | RW-2072 Clause 3.8.2 (in accordance with SAE AS 5942) |
| IRM 902 oil | 70hrs. at 50°C, Print legible after 10 wipes | RW-2072 Clause 3.8.2 (in accordance with SAE AS 5942) |

Thermal Properties

| | | |
|--|--|--|
| Heat Shock 240min at 175°C | Mandrel bend: No dripping flowing or cracking Print legible after 20 rubs | RW-2072 Clause 3.3.2 (in accordance with ASTM D2671) |
| Heat Ageing 168hrs at 135°C | Mandrel bend: No dripping flowing or cracking Print legible after 20 rubs No cracking | RW-2072 Clause 3.3.1 (in accordance with ASTM D2671) |
| Low Temperature Bend 240min at -55°C | | RW-2072 Clause 3.3.4 (in accordance with IEC 60684-2) |

Electrical Properties

| | | |
|--|-------------------------------|---|
| Dielectric Strength | 15 MV/m minimum | RW-2072 Clause 3.4.1 (in accordance with ASTM D2671) |
| Volume Resistivity After Damp Heat | 10 ¹² Ω cm minimum | RW-2072 Clause 3.4.2 (in accordance with ASTM D2671) |



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HXCT Continuous Tubing

Flame Properties

| | | |
|--------------------------------|---|--|
| Flammability | Self Extinguishing | RW-2072 Clause 3.7.1 (ASTM D2671 Procedure B) |
| Oxygen Index (OI) | 34% minimum | RW-2072 Clause 3.7.2 EN 45545-2 (EN ISO 4589-2:1999, |
| Dripping Classification | Classification ST2 | RW-2072 Clause 3.7.11 (DIN 5510-2) |
| Smoke Density | 0.017 maximum | RW-2072 Clause 3.7.7 (BS 6853:1999 Annex D.8.3) |
| Smoke | 20 maximum Smoke class F1 | RW-2072 Clause 3.7.4 (ASTM E662) |
| LUL Toxic Fume | No Halogens, -P, -S, -N sources above trace levels | RW -2072 Clause 3.7.8 |

Other Properties

| | | |
|--|--|--------------------------------------|
| Copper Mirror Corrosion: 16 hours at 150°C | No corrosion of mirrors above 8% | RW-2072 Clause 3.5.1 (ASTM D2671) |
| Water Absorption: 24hrs at 23°C | 1.0% maximum | RW-2072 Clause 3.5.2 (ASTM D570) |
| UV Resistance | Mandrel bend test Print legible after 20 rubs | RW-2072 Clause 3.6.1 (ASTM G154) |

Product is compliant to EU RoHS Directive 2002/95/EC. This compliance information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information provided by our suppliers. This information is subject to change