



Doc. Number: TTDS-240  
Issue: 2  
Date: February 2014  
Page 1 of 3

# 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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Doc. Number: TTDS-240  
 Issue: 2  
 Date: February 2014  
 Page 2 of 3

# DATASHEET

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### PROPERTIES

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#### Adherence of Marking

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

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#### 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 <sup>1</sup> min. 1min. at 23°C, 10 wipes – C8 <sup>1</sup> 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)

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#### Thermal Properties

<b>Heat Shock</b> 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)
<b>Heat Ageing</b> 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)
<b>Low Temperature Bend</b> 240min at -55°C		RW-2072 Clause 3.3.4 (in accordance with IEC 60684-2)

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#### Electrical Properties

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

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Doc. Number: TTDS-240  
Issue: 2  
Date: February 2014  
Page 3 of 3

# DATASHEET

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### Flame Properties

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

### Other Properties

<b>Copper Mirror Corrosion:</b> 16 hours at 150°C	No corrosion of mirrors above 8%	RW-2072 Clause 3.5.1 (ASTM D2671)
<b>Water Absorption:</b> 24hrs at 23°C	1.0% maximum	RW-2072 Clause 3.5.2 (ASTM D570)
<b>UV Resistance</b>	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



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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