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## TECHNICAL DATA

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### POLYIMIDE C240 SRTIP

### High Temperature Enamelled Copper Wire

#### DESCRIPTON

Polyimide C240 consists of rectangular copper wire insulated with a high temperature enamel of aromatic polyimide. The enamel provides excellent thermal and chemical resistance, as well as good mechanical properties and resistance to thermal overloads.

#### APPLICATIONS

Polyimide C240 finds use as a winding wire in a wide range of rotating and static electrical equipment, including:

- |                             |                                 |                           |
|-----------------------------|---------------------------------|---------------------------|
| → Special Electric Motors   | → Windings for nuclear industry | → Generators              |
| → Windscreen wiper motors   | → Electro-magnet coils          | → Automotive windings     |
| → Aviation & space windings | → Medical equipment coils       | → Special electric drives |

Temperature class (IEC 60172)	240°C
Enamel type	Aromatic polyimide
Cross sectional range	2 - 80mm <sup>2</sup>
Thickness range	1 - 5mm
Width range	2 - 12mm
Grades	G1, G2
Colours	Natural
Breakdown voltage	G1 - ≥ 1,000V G2 - ≥ 2,000V
Heat shock	260°C
Solderability	Non solderable
Elongation at break	Thickness ≤ 2.5mm - 30% Thickness ≥ 2.5mm - 32%
Springiness	≤ 5°
Flexibility flatwise	1 x thickness no cracks
Flexibility edgewise	2 x width no cracks
Chemical resistance	Very good
Methods of test	IEC 60851
Standards & Certifications (Enamel)	IEC 60317-47 NEMA/ANSI type MW 20C
Standards (Dimensions & Tolerances)	IEC 60317-0-1
Standards (Packaging)	IEC 60264

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