TECHNICAL INFOSHEET

Schlenk Metallfolien GmbH & Co. KG Barnsdorfer Hauptstr. 5 D-91154 Roth-Barnsdorf

Tel.: +49 (0)9171 808-0 Fax: +49 (0)9171 808-191



Business Unit: Metal Foils

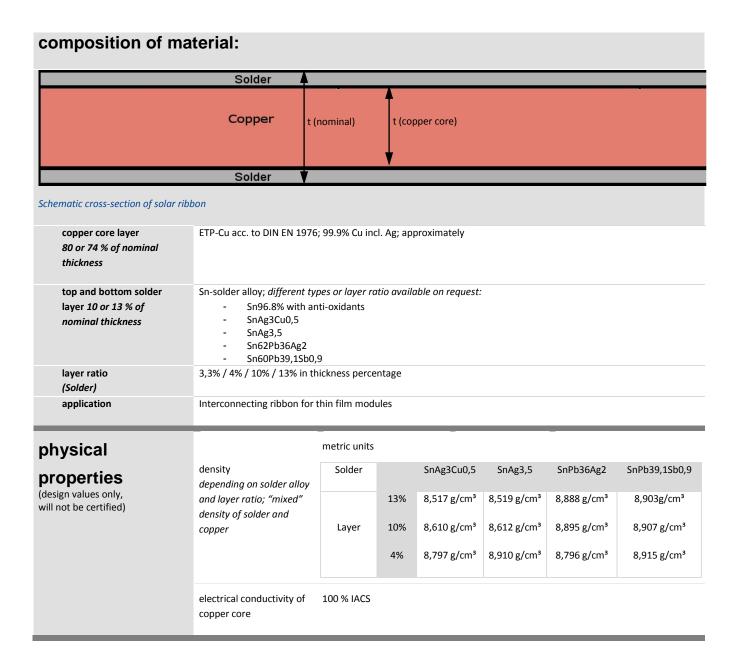
E-Mail: foils@schlenk.de Internet: www.schlenk.com

Date of issue: 05.11.2012

Revision number: 0 - sign. xxx

Thin Film Ribbon

Solder coated ribbon is a composite material consisting of a copper conductor with tin solder on both sides. Material is produced by rollcladding.



TECHNICAL INFOSHEET



Date of issue: 05.11.2012

Revision number: 0 - sign. xxx

| mechanical | Yield strength Rp0,2 [MPa] | Tensile strength Rm [MPa] | Elongation A [%] |
|--------------------------------|---|---|------------------|
| properties | Max. 115 | 200-250 | Min. 15 |
| proposition and | | | |
| dimensional properties | Camber according to DIN EN 1652 or on agreement | | |
| solder quality | Oven annealed | | |
| recommendations for processing | - Do not remove protective wrapping until use | | |
| manufacturing | thickness of strip [mm] | 0.1 – 0.5 mm (nominal value including solder) | |
| program of strip | width of strip [mm] | 1.0 – 10.0 mm | |
| | thickness tolerance | $\pm 10\%$ on total thickness; thickness of each layer as determined by volume ratio shall not deviate by more than +/-10% from nominal | |
| | width tolerance | +/- 0.05 mm | |
| | preferred spool types [mm] | HKV 200; HKV 160; HKV 125 Side shields 50/95 with outer diameter 250 mm others on request | |
| | slitting edges | Edges remain untinned due to slitting process | |

Data in this publication is based on careful investigation and is intended for information only. All information shall be not binding, shall carry no warranty as to certain ingredients, as to the suitability for a special purpose, as to the merchantability or as to industrial property rights of third parties. Any and all users are obliged to carry out tests on their own authority as well as to check the suitability and the danger of the respective product for a particular application Schlenk shares no liability hereof and as to the exactness and completeness of the data. We apply our General Sales Conditions to be found on www.schlenk.com.