



# STANNOL®

Wenn's ums Löten geht  
When it's about soldering  
Quand il s'agit du soudage

## Technical Data Sheet

# STANNOL® - Kolophonium

## Pure Rosin

### Description

**STANNOL®-Kolophonium** is Rosin also referred to as Colophony. It is produced from pine trees. Rosin or colophony is the solid content of tree gum which has been gathered from the trees. After separation of the liquid turpentine by a distillation process the remaining solid is pure rosin.

### Properties

Rosin is an amber transparent solid and is brittle at ambient temperatures. The main constituents are abietic and pimaric acid and its isomers minimum of 95%. The remainders are fatty acids and other organic compounds. The melting range of rosin is between 80-100°C.

### Application

**STANNOL®-Kolophonium:** Rosin is used in various fields: For joining of electronics as a component of flux for soft soldering, both in the flux core in solder wire, the flux for wave soldering and solder pastes for in the SMD technology. Pure Rosin is used only for soldering of pure metal surfaces. For oxidized surfaces only activated rosin can be used.

Properties for use in the electronics

- Reacts as a weak acid with metal oxides
- Absorbs oxygen
- Soluble in a variety of organic solvents
- Insoluble in water
- Liquid at soldering temperature
- Chemically resistant to water
- Excellent electrical insulation

### Physical Properties and Data

<b>Colour:</b>	bright amber (Type WW)
<b>Softening point:</b>	81°C (Ring and Ball)
<b>Acid value:</b>	160 – 185 mgKOH/g
<b>Saponification number:</b>	166 mg/g (min)
<b>Density:</b>	1,06 – 1,09 g/cm <sup>3</sup>

### Package:

**STANNOL® Kolophonium**, net 20 g, delivery in metal jars.

### Health and Safety

Detailed information about health, operational safety and disposal can be found in our material safety data sheets, which are available upon request.

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