

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.

CHARACTERISTICS

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

GENERAL PROPERTIES	KOLOPHONIUM
Colour:	bright amber (Type WW)
Softening point:	81°C (Ring and Ball)
Acid value:	160 - 185 mgKOH/g
Saponification number:	166 mg/g (min)
Density:	1,06 - 1,09 g/cm ³

PACKAGE

Stannol Kolophonium, net 20 g, delivery in metal jars.

HEALTH AND SAFETY

Before using please read the material safety data sheet carefully and observe the safety precautions described.

NOTICE

The above values are typical and represent no form of specification. The Data Sheet serves for information purposes. Any verbal or written advise is not binding for the company, whether such information originates from the company offices or from a sales representative. This is also in respect of any protection rights of third parties, and does not release the customer from the responsibility of verifying the products of the company for suitability of use for the intended process or purpose. Should any liability on the part of the company arise, the company will only indemnify for loss or damage to the same extent as for defects in quality.