



TECHNICAL INFORMATION SHEET

40/60 ROSIN CORE TIN LEAD SOLDER

NOMINAL CHEMICAL COMPOSITION%:

Lead	Remainder
Tin	39.5-41.5
Antimony	0.20 – 0.50

TYPICAL PHYSICAL PROPERTIES:

Solidus	361°F (183°C)
Liquidus	448°F (231°C)

SOLDERING PROPERTIES:

This tin-lead solder contains a 2.2% rosin core center and is a popular choice for soldering for electrical and electronic connections. Rosin core solders are generally used for small connections like this as there is a limited amount of flux available for protection of large surface areas.

Heat sources include soldering guns, irons, and air-fuel torches.

Lead bearing solders are not to be used in potable water systems.

AVAILABLE FORMS

Standard wire diameters

RECOMMENDED FLUX:

Additional flux is generally not used with rosin core solder as the rosin core provides necessary flux activity. Flux residue remaining after soldering is considered non-corrosive.

SPECIFICATION COMPLIANCE:

ASTM B32 Alloy Grade Sn 40A Type WRAP-2,
J-STD-006 Sn40Pb60Sb0.4 Flux: ROL1

SAFETY INFORMATION:

WARNING: PROTECT yourself and others. Read and understand this information.

FUMES AND GASES can be hazardous to your health.

HEAT RAYS, (infrared radiation) from flame or hot metal can injure eyes.

- Before use, read and understand the manufacturer's instructions, Safety Data Sheets (SDS), and your employer's safety practices.
- Keep your head out of fumes.
- Use enough ventilation, exhaust at the flame, or heat source, to keep fumes and gases from your breathing zone and the general area.
- Wear correct eye, ear, and body protection.
- See American National Standard Z49.1, *Safety in Welding, Cutting, and Allied Processes*, published by the American Welding Society, 8669 Doral Blvd., Doral, Florida 33166; OSHA Safety and Health Standards, available from the U.S. Government Office, Washington, DC 20402.

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