



282 Mildly Activated Rosin Flux For Cored Solder Wire

General Information

Kester 282 mildly activated rosin flux core consists of high quality Grade WW rosin to which a very small amount of an extremely effective activating agent has been incorporated. Kester 282 is classified as Type ROL1 flux under IPC ANSI/J-STD-004 Joint Industry Standard. It was formerly classified as Type RMA per MIL-F-14256.

Applications

Kester 282 rosin-cored solder has been developed for use in the electronics industry where a more active flux than plain rosin is required but where highly activated fluxes are considered potentially conductive. Rosin core 282 has particular application where difficult assemblies are to be soldered but the flux residue must be electrically inert.

Electrical Properties

Kester 282 rosin-core provides a greatly increased fluxing ability. However, the residue is nearly as electrically inert as plain, unactivated rosin flux. The low conductivity results from a negligible amount of ionic residue. The low ionic content in the flux is shown by the very high water extract resistivity. The rosin residue is non-corrosive, moisture and fungus resistant, and non-conductive.

Residue Removal

Since the rosin residue is dry and practically inert after soldering, the surface is actually insulated from atmospheric corrosion. Residue removal is usually not required, but, if necessary for appearance or utility reasons, the rosin residue can be completely removed with Kester 5240 Rosin Residue Remover or 5768 Bio-Kleen Aqueous Saponifier.

Availability & Properties

Kester 282 rosin-core is available in any solder alloy, which can be supplied with a core.

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|---------------------------|--------------------------|
| Water Extract Resistivity | 200,000 ohm-cm (typical) |
| Effect on Copper Mirror | None |
| Spread Factor | 88 (typical) |
| Chloride and Bromide Test | Pass |

Health & Safety

This product, during handling or use, may be hazardous to health or the environment. Read the Material Safety Data Sheet and warning label before using this product.

World Headquarters: 515 E. Touhy Avenue, Des Plaines, Illinois, USA
Phone: (+1) 847-297-1600 • **Email:** customerservice@kester.com • **Website:** www.kester.com

Asia Pacific Headquarters
500 Chai Chee Lane
Singapore 469024
(+65) 6449-1133
customerservice@kester.com.sg

European Headquarters
Ganghoferstrasse 45
D-82216 Gerlinden
Germany
(+49)8142-47850
customerservice@kester-eu.com

Japanese Headquarters
20-11 Yokokawa 2-Chome
Sumida-Ku
Tokyo 130-0003 Japan
(+81) 3-3624-5351
jpsales@kester.com.sg