



FLUX-GEL RMA04

Rosin flux gel

PRODUCT DESCRIPTION

Rosin flux-gel conforming to DIN EN 29454 type 1.1.2.C, DIN EN 61190-1-1 type ROL1.

Stannol Flux-Gel RMA04 is a flux medium containing mildly-activated rosin flux, thixotropic agents, and special solvents. It meets the US Specification QQ-S-571E RMA Classification. It also conforms to the Surface Insulation Resistance requirements of Bellcore TR-TSY-000078. Classification conforming DIN EN 61190-1-1: ROL1. Stannol Flux-Gel RMA04 has good wetting properties, and is sufficiently tacky to hold even fairly bulky components in place during a reflow operation. It will normally remain tacky for at least 96-120 hours.

APPLICATION

Stannol Flux-Gel RMA04 can be used for a variety of applications, including both the repair and rework of surface mount solder joints. Since only the flux medium is used, no additional metal is involved, which might otherwise cause bridging in fine-pitch applications. Flux-Gel RMA04 is employed also for critical applications when it is applied to the pre-soldered surface of a hybrid substrate or printed circuit board onto which solder-coated component leads or terminations are reflowed. This ensures that no solder balls can be created as might be the case if a conventional metal powder-containing solder paste were to be employed. Stannol Flux-Gel RMA04 can be dispensed through the needle of a syringe or cartridge, or printed by means of a screen or stencil.

PHYSICAL PROPERTIES AND DATA

GENERAL PROPERTIES	FLUX-GEL RMA04
Colour:	amber
Solid content:	70%
Acid rating:	110 mg KOH/g \pm 10
Halide content:	halide containing
Water content:	<0.5
Density at (20° C):	approx. 0.9 g/cm ³
Viscosity:	600 Pa*s (600,000 cPs) \pm 100 Pa*s (100,000 cPs)
Flash point (closed crucible):	>100 °C
Ignition temperature:	>220 °C

RELIABILITY TESTS

Corrosion DIN EN ISO 29455 T12 and 15:	passed
Copper mirror test: DIN EN29455 T5:	passed
Surface Insulation Resistance: DIN 8527:	passed

CLEANING

If cleaning is required for optical or technical reasons, the residues can be removed using conventional cleaning processes. The Stannol cleaner Flux-Ex Post is recommended for cleaning.

STANDARD PACKAGING

Stannol Flux-Gel RMA04 is available in 5cc and 10cc syringes for manual dispensing and in 30cc cartridges for automatic dispensing. Special package sizes are available on request.

SHELF LIFE

6 months (provided proper storage, in originally sealed container)

HEALTH AND SAFETY

Read the material safety data sheet carefully before use and observe the safety precautions described.

DISCLAIMER

The above values are typical and represent no form of specification. The Data Sheet serves for information purposes. Any verbal or written advice 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.