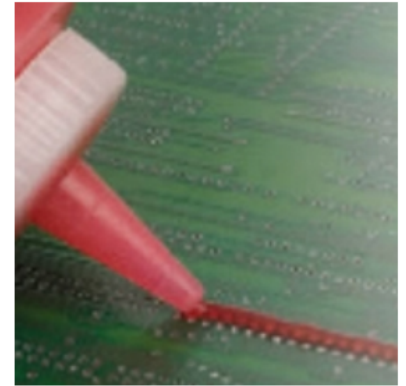




Techform TC-527 Peelable Solder Mask

TC-527

Prevent soldering protected areas in a wave soldering process by applying temporary cover. Designed to apply smoothly, dry quickly, withstand high lead-free process temperatures, and then be removed easily. Also used for conformal coating. View a list of available options below.



Natural latex rubber high-temperature.

Kester TC-527 is a high-temperature flexible solder masking compound specially formulated of natural latex rubber. The latex has been chemically enhanced so that it is heat stable and tacky enough to be applied to those areas of circuit boards, which require masking during a wave soldering process. Kester TC-527 effectively masks and protects the board from the time it is manufactured, through all assembly and flow operations. Kester TC-527 can remain on the protected areas of the board until ready for test, and then, with only a mild pulling action by hand or tweezer-like tools, can be easily peeled away without leaving a residue. Kester TC-527 prevents solder from flowing into contacts, terminals, screw heads and plated through holes.

Use of TC-527 is not recommended on bare copper as it contains ammonia which will cause discoloration of the copper.

- Easily applied
- Will not tarnish gold or phosphor bronze
- Protects delicate components
- Prevents contamination

Product Packaging

<p>53-4001-0527 TC527 Techform Peelable Solder Mask 1 pt 12 units/case</p>	<p>53-4003-0527 TC527 Techform Peelable Solder Mask 1 gal 1 units/case</p>
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Instructions

Parts to be protected must be free from oil, grease and silicones to ensure proper adhesion. Kester TC-527 can be thinned with water and uncured mask left on equipment can be removed with water. A 15-mil thick coat of Kester TC-527 will cure in approximately 45 minutes at room temperature or 15 to 20 minutes at 66°C (150°F). Warming the surfaces prior to application will expedite cure. High relative humidity or greater coating thickness will necessitate longer cure times. Kester TC-527 may be exposed to oven temperatures of 82°C (180°F) and lower for up to 16 hours without degradation. At temperatures of 82-120°C (180-250°F) exposure time should be limited to two hours, at 120-149°C (250-300°F), 30 minutes. Exceeding these exposure times will cause Kester TC-527 to soften and lose elasticity. Exposure of TC-527 to oven temperatures above 149°C (300°F) is not recommended.

Technical Information

Chemical & Physical Properties

Appearance	Pink gel
Odor	Ammoniacal odor
Flash Point	None
Boiling Point	100°C (212°F)
Density	~ 1.0 at 20°C (68°F)

Chemical Composition

CHEMICAL NAME	CAS #
Kaolin	1332-58-7
Paraffin waxes and hydrocarbon waxes	8002-74-2
Titanium dioxide	13463-67-7

Performance & Application Data

Viscosity (25 C)	10,000-16,000 CPS
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Environmental Policy

Techspray is committed to developing products to ensure a safer and cleaner environment. We will continue to meet and sustain the regulations of all federal, state and local government agencies.



Resources

Techspray products are supported by a global sales, technical and customer services resources.

For additional technical information on this product or other Techspray products in the United States, call the technical sales department at 800-858-4043, email tsales@techspray.com or visit our web site at: www.techspray.com.

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