

Conformal Coatings

Technical Data Sheet

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PCM Peelable Coating Mask

PCM is a flexible, solvent resistant latex for masking components, connectors and other items during the conformal coating process. It is also suitable as a spot mask for wave soldering applications. The high film strength of PCM means that it can be peeled by hand without breaking or leaving residues.

- Flexible latex with high film strength; leaves no residue even when removed from complex areas
- Allows selective coating of circuit boards; masks components and connectors during coating application
- Prevents coating ingress into connectors and components due to the capillary effect
- Suitable for use with dip, spray or brush applied conformal coatings

Approvals	RoHS-2 Compliant (2011/65/EU):	Yes
Liquid Properties	Density @ 20°C (g/ml): Solids Content: Viscosity Brookfield LVT (mPa s): Ammonia Content: pH: Drying Time (2mm thickness):	1.20 70-74% 30,000 to 60,000 0.29% Max 10 - 11 2 hours @ 25°C or, 30 mins @ 60°C
Cured Properties	Tensile Strength: Elongation at Break: Modulus @ 300%: Modulus @ 700%:	16.57 MN/m ² 900% 0.88 MN/m ² 6.18 MN/m ²

<u>Description</u>	<u>Packaging</u>	<u>Order Code</u>	<u>Shelf Life</u>
<u>Peelable Coating Mask</u>	250ml Bottle	PCM250ML	6 Months

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Electrolube cannot be held responsible for the performance of its products within any application determined by the customer, who must satisfy themselves as to the suitability of the product.

Ashby Park, Coalfield Way,
Ashby de la Zouch,
Leicestershire LE65 1JR
T +44 (0)1530 419 600
F +44 (0)1530 416 640
BS EN ISO 9001:2008
Certificate No. FM 32082

Directions for Use

Masking should take place between the cleaning and coating process. PCM should be applied to the area being masked to a thickness of at least 1mm to enable easy peeling after coating. Dry at room temperature for at least 2 hours. This can be accelerated by heating to 60°C for 30 minutes but some discolouration of copper may occur.

Thicker films may require longer drying times. As PCM dries it darkens in colour. PCM must be fully dry before being coated. After spray, dip or brush application with conformal coating the coating should be air-dried in accordance with manufacturer's recommendations before PCM is removed.

When the coating is dry, peel off PCM by hand to leave the protected area or component clean and free from coating. The conformal coating may then be heat cured if applicable.

Note: This product contains Ammonia. It should be applied and allowed to dry in a well-ventilated area. Store below 30°C. Please refer to MSDS for further information.

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