

PCM-HV High Viscosity Peelable Coating Mask

PCM-HV is a high viscosity, 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.

- High viscosity; ideal for more accurate application for smaller and more complex geometries
- 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

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|--------------------------|---------------------------------------|--------------------------------------|
| Approvals | RoHS-2 Compliant (2011/65/EU): | Yes |
| Liquid Properties | Density @ 20°C (g/ml): | 1.20 |
| | Solids Content: | 70-74% |
| | Viscosity Brookfield LVT (mPa s): | 40,000 to 60,000 |
| | Ammonia Content: | 0.29% Max |
| | pH: | 10 - 11 |
| | Drying Time (2mm thickness): | 2 hours @ 25°C or, 30 mins @ 60°C |
| Cured Properties | Tensile Strength: | 16.57 MN/m ² |
| | Elongation at Break: | 900% |
| | Modulus @ 300%: | 0.88 MN/m ² |
| | Modulus @ 700%: | 6.18 MN/m ² |

| <u>Description</u> | <u>Packaging</u> | <u>Order Code</u> | <u>Shelf Life</u> |
|------------------------------------|------------------|-------------------|-------------------|
| <u>High Viscosity Coating Mask</u> | 250ml Bottle | PCM250MLHV | 6 Months |

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All information is given in good faith but without warranty. Properties are given as a guide only and should not be taken as a specification.

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.

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BS EN ISO 9001:2008
Certificate No. FM 32082

Directions for Use

Masking should take place between the cleaning and coating process. PCM-HV 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-HV dries it darkens in colour. PCM-HV 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-HV 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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