

PCM-HV

High Viscosity Peelable Coating Mask

DESCRIPTION

PCM-HV is a high viscosity, solvent resistant latex for masking components, connectors, and other items during the conformal coating process. The high film strength of PCM means that it can be peeled by hand without breaking or leaving residues.

READ ENTIRE TECHNICAL BULLETIN BEFORE USING THIS PRODUCT

FEATURES AND BENEFITS

- 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

APPROVALS

Standard	Status
RoHS Compliant (2015/863/EU)	Yes

PRODUCT INFORMATION

For available packaging sizes please visit:

electrolube.com

PHYSICAL PROPERTIES

Category	Results
Liquid Properties	
Density @ 20 °C (g/mL)	1.11
Solid Content	70 to 74%
Viscosity Brookfield LVT (mPa s)	40,000 to 60,000
Ammonia Content	0.29% Max
pH	10 to 11
Drying Time (2 mm Thickness)	
25 °C	2 hours
60 °C	30 minutes
Cured Properties	
Tensile Strength	16.57 MN/m ²
Elongation at Break	900%
Modulus	
300%	0.88 MN/m ²
700%	6.18 MN/m ²

APPLICATION GUIDELINES

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.

ADDITIONAL INFORMATION

Shelf Life: 12 Months

SAFETY & WARNING

It is recommended that the company/operator read and review the Safety Data Sheets for the appropriate health and safety warnings before use. **Safety Data Sheets are available.**

CONTACT INFORMATION

To confirm this document is the most recent version, please contact
TechnicalSupportTeam@hkw.co.uk
www.electrolube.com

North America 109 Corporate Blvd. South Plainfield, NJ 07080, USA 1.800.367.5460	Europe Ashby Park Coalfield Way Ashby de la Zouch Leicestershire, LE65 1JR, UK 44.01530.41960	Asia 8/F., Paul Y. Centre 51 Hung To Road Kwun Tong, Kowloon, Hong Kong 852.3190.3100
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Also read carefully warning and safety information on the Safety Data Sheet. This data sheet contains technical information required for safe and economical operation of this product. READ IT THOROUGHLY PRIOR TO PRODUCT USE . Emergency safety directory assistance: US 1 202 464 2554, Europe + 44 1235 239 670, Asia + 65 3158 1074, Brazil 0800 707 7022 and 0800 172 020, Mexico 01800 002 1400 and (55) 5559 1588

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