## Conformal Coatings

# **Technical Data Sheet**





### **PCS**

### **Peelable Coating Mask - Synthetic**

PCS is a synthetic peelable coating mask designed to offer a longer shelf life over standard latex products. It is suitable for masking components, connectors and other items during the conformal coating process. It is also suitable as a spot mask for wave soldering applications.

- Ammonia free product; offers longer shelf-life and improved odour when curing
- Thermal cure; offers fast application and processing times
- 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 (g/ml): Solids Content: Viscosity Brookfield (mPa s @ 23°C): pH: Suggested Thickness: Drying Time (1mm thickness):	1.0 45 +/- 3% 55,000 to 65,000 8.5-9.5 <1mm 30 mins @ 65°C or, 20 mins @ 80°C
<b>Cured Properties</b>	Elongation at Break:	350%

<u>Description</u>	<u>Packaging</u>	Order Code	Shelf Life
Peelable Coating Mask Synthetic	250ml Bottle	PCS250	12 Months

#### **Directions for Use**

PCS should be applied to the area being masked to a thickness of at least 1mm to enable easy peeling after use. Dry at 65°C for at least 30 minutes. This can be accelerated by heating @ 80°C. Thicker films may require longer drying times. As PCS dries it changes in colour from pink to red and must be fully dry before the conformal coating or wave soldering process.

Following application of a conformal coating, PCS can be removed by peeling off once the coating is touch dry. The conformal coating may then be secondary or heat cured if applicable, according to the manufactures guidelines. When used as a solder mask, PCS can be removed by peeling off after the process, once the substrate has cooled to room temperature.

Revision 2: Oct 2013

#### Copyright Electrolube 2013

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.

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