

## HumiSeal<sup>®</sup> Masking Dots & Tapes

### Technical Data Sheet

HumiSeal<sup>®</sup> Conformal Masking Dots & Tapes are a polyester film coated with a silicone free thermosetting rubber adhesive. The semi-transparent Dots & Tapes are designed for masking PCBs during the conformal coating process. They are designed to conform to the PCB surface to prevent leakage under the tape. After coating they can be removed safely and easily without leaving any residue.

#### Properties of HumiSeal<sup>®</sup> Conformal Masking Dots & Tapes

Base Material	Polyester Film	
Base Material Thickness	0.025 mm	1.0 mil
Total Thickness	0.055 mm	2.2 mil
Adhesive	Synthetic rubber thermosetting	
Dielectric Strength	5,000 V	
Adhesion Strength (steel)	3.5 N/cm	31.0 oz/inch
Elongation	80-120%	
Tensile Strength	40 N/cm	22 lbs/inch
Color	Light yellow	
Transparency	~50%	
Heat resistance	Up to 130°C	266°F
Storage	18°C - 25°C	
Shelf Life, DOM	24 months	

- Masking for conformal coating
- Silicone free adhesive
- Leaves a good and clean separation line
- Clean removal without any adhesive residue
- Semi-transparent for easy verification of placement
- For use where coatings are cured at room temperature
- For clean removal it is recommended to remove when the coating reaches its tack free point

#### Recommended Storage instructions: In order to ensure stable performance

- Keep at temperatures of 18°C - 25°C
- Keep away from direct sunlight
- Store the roll in a sealed plastic bag if not in use.
- Do not stack rolls.
- Avoid direct pressure on the masking dots.

Tapes can be remove before or after curing process. User should verify the product's performance in their curing process and coating hardness. If coating overlap on the tape is excessive, solvent application maybe required to soften and release coating bond to tape prior to removal.

The material is available in masking dot format at 10,000 per roll in standard diameters of 5mm, 7mm and 10mm and 5,000 per roll in standard diameters of 12mm, 16mm and 19mm. Other sizes are available upon request. The dots come on a split transparent polyester liner for easy removal. Tolerance  $\pm 0.5$ mm.

The material is also available in tape form with standard widths of 3mm, 7mm, 10mm, 13mm, 16mm, 19mm, 22mm, and 25mm. Other widths are available upon request. The roll length is 66m. Tolerance  $\pm 0.5$ mm.



# HumiSeal®

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