

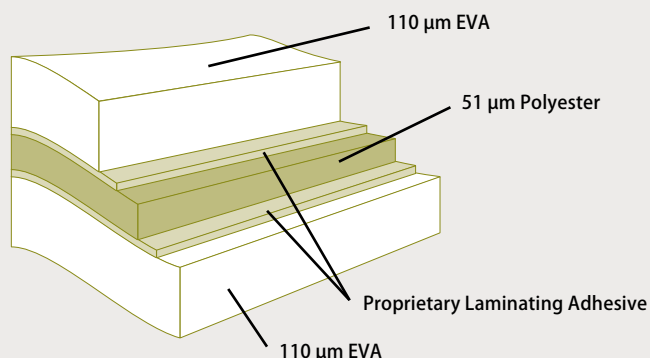
InsulPatch® Datasheet

Laminates for PV Electrical Insulating Applications

MATERIAL COMPOSITION

| TEST: | RESULTS: |
|-------------|------------------------|
| Thickness* | 281 μm |
| Width Range | 25 - 1700 mm |
| Weight | 285 g/m ² |
| Density | 1.15 g/cm ³ |
| EVA Colors | All |

EVA / PET / EVA



TECHNICAL CHARACTERISTICS

| TEST: | TEST SPECIFICATION(S): | RESULTS: |
|------------------------------------|-------------------------------------|---------------------------|
| Tensile Strength at Break (MD/TD) | Internal Testing – Data Available | 40 MPa (MD) / 50 MPa (TD) |
| Elongation at Break (MD/TD) | Internal Testing – Data Available | 145% (MD) / 80% (TD) |
| EVA Peel Strength from Encapsulant | Internal Testing – Data Available | ≥ 40 N/cm |
| Relative Thermal Index (RTI) | Suitable for continuous use at 85°C | 105°C |

ELECTRICAL INSULATION TESTING PERFORMANCE

| TEST: | TEST SPECIFICATION(S): | RESULTS: |
|----------------------------------|-------------------------|-----------------------------------|
| Partial Discharge | IEC 60664-1 | ≥ 1000 VDC |
| Dielectric Strength | UL 746 A | ≥ 17 kV |
| Volume Resistivity | | $16 \times 10^9 \Omega\text{-cm}$ |
| Comparative Tracking Index (CTI) | Thickness tested: 3.0mm | ≥ 600 V |

*Theoretical nominal

This product is covered by one or more U.S. patents and pending U.S. and other patent applications. Please see www.madico.com/patents Typical Data – Not Specification © 2014 Madico, Inc.

Madico PhotoVoltaic Backsheets
64 Industrial Parkway
Woburn MA, 01801
USA

Phone: 1-800-633-0140
Fax: 1-781-935-6841
Email: InfoSF@madico.com
www.madicopv.com

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