

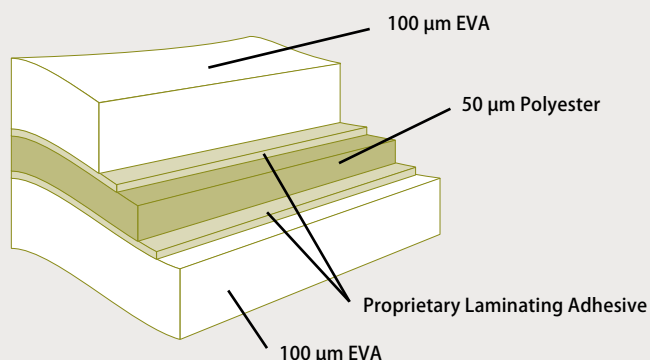
InsulPatch® Datasheet

Laminates for PV Electrical Insulating Applications

MATERIAL COMPOSITION

| TEST: | RESULTS: |
|-------------|---|
| Thickness | 265 ± 27 µm |
| Width Range | 25 - 1700 mm |
| Weight | 285 g/m ² |
| Density | 1.1-1.2 g/cm ³ |
| EVA Colors | Clear, Bright White, Black, Custom Colors |

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) |
| Tear Strength (MD/TD) | Internal Testing – Data Available | 10 N (MD) / 13 N (TD) |
| Dimensional Stability | 150°C for 30 min; Internal Testing – Data Available | < 1% |
| EVA Peel Strength from Encapsulant | Internal Testing – Data Available | ≥ 40 N/cm |

WEATHERABILITY TESTING PERFORMANCE

| TEST: | TEST SPECIFICATION(S): | RESULTS: |
|------------------------------|-------------------------------------|----------|
| Relative Thermal Index (RTI) | Suitable for use at continuous 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 | 18 kV |
| Volume Resistivity | | 16 10 ⁹ ohm-cm |
| Comparative Tracking Index (CTI) | Thickness tested: 3.0mm | 600V |
| Inclined Plane Tracking | UL 746A | average 60+ min to track at 2500V |

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