

Solar Gard® PV T10f

Solar Gard's PV T10f sets a new benchmark for quality and price in the photovoltaic backsheet market. This backsheet combines the tried and tested Tedlar® membrane with an entirely new, proprietary functionalized surface that delivers superior adhesion to EVA. The result is outstanding peel strength and significantly lower total cost of ownership for module manufacturers. Solar Gard PV T10f outperforms third party testing criteria, is UL recognized and performance tested at TÜV. Available in flexible roll form to fit a wide range of solar panel sizes, PV T10f is manufactured in San Diego, California in an ISO 9001:2008 and 14001:2004 certified facility.

Solar Gard PV T10f Backsheet for photovoltaic modules

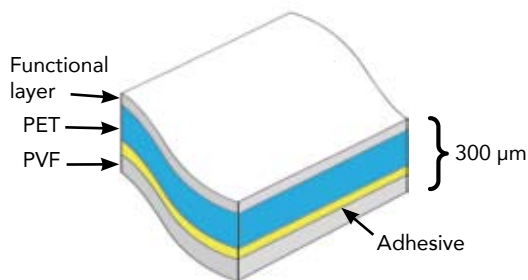
| | Typical Values | | Test Method |
|--|--------------------------------|----------------------------|----------------|
| | U.S. | Metric | |
| Thickness | 12 mil | 300 µm | Caliper |
| Dielectric Breakdown Voltage | 19 kV | 19 kV | ASTM D149 |
| Partial Discharge Voltage | 1100 VDC* | 1100 VDC* | IEC 60664-1 |
| Dimensional Stability (MD/TD) (30 mins. @ 150°C) | 0.7/0.3% | 0.7/0.3% | ASTM D1204 |
| Tensile Strength (MD/TD) | 25090/21030 lb/in ² | 173/145 N/mm ² | ASTM D882 |
| Elongation at Break (MD/TD) | 250/200% | 250/200% | ASTM D882 |
| EVA peel strength | >80 lb/in | >14 N/mm | 180° Peel Test |
| Interlayer peel strength | >2.85 lb/in | >0.5 N/mm | 180° Peel Test |
| Moisture Vapor Transmission Rate (38°C / 100% RH) | 0.13g/100in ² /day | 2.05 g/m ² /day | ASTM F1249 |



*Partial Discharge Voltage tested at TÜV Rheinland



PVF/PET/functional layer
Construction for superior adhesion,
reliability and durability



PVF: Polyvinyl Fluoride



UL Recognized Component

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