

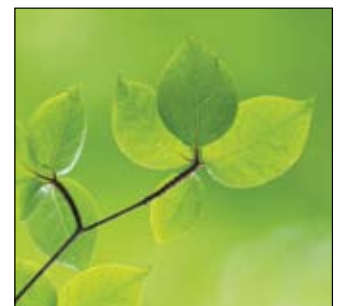
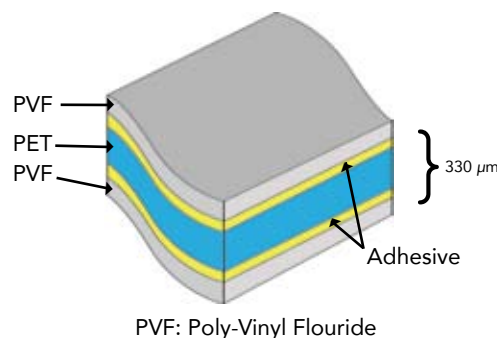
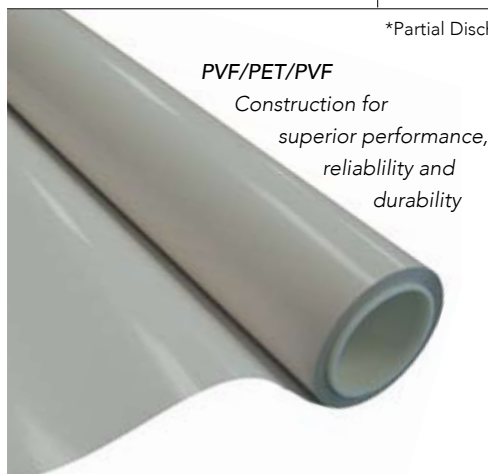
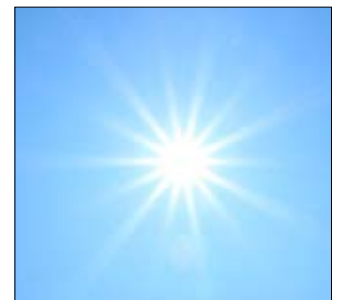
# Solar Gard® PV T10 Photovoltaic Backsheet

Solar Gard® PV T10 backsheet is a bright white film designed to electrically insulate and protect the photovoltaic solar cells from the environment. The standard PVF/PET/PVF design provides an excellent barrier and back side support for the highly sophisticated solar module. For ease of manufacturing, the PV backsheet is available in flexible roll form to fit a wide range of panel sizes and configurations while providing a durable protective layer for sensitive electronic components. Solar Gard PV T series is manufactured in ISO 9001:2000 and 14001:2004 certified facilities in San Diego, California.

## Solar Gard PV T10 backsheet for photovoltaic modules

	Typical Values		Test Method
	U.S.	Metric	
Thickness	13 mil	330 $\mu\text{m}$	
Dielectric Breakdown Voltage	29 kV	29 kV	ASTM D149
Partial Discharge Voltage	1125 VDC*	1125 VDC*	IEC 60664-1
Dimensional Stability (MD/TD) (30 mins. @ 150°C)	0.2 / 0.6%	0.2 / 0.6%	ASTM D1204
Tensile Strength (MD/TD)	17300 / 18600 lb/in <sup>2</sup>	119 / 128 N/mm <sup>2</sup>	ASTM D882
Elongation at Break (MD/TD)	232 / 200%	232 / 200%	ASTM D882
EVA peel strength	> 40 lb/in	> 7 N/mm	T - Peel Test
Interlayer peel strength	> 2.85 lb/in	> 0.5 N/mm	180° Peel Test
Moisture Vapor Transmission Rate (38°C / 100% RH)	0.16g/100in <sup>2</sup> /day	2.48 g/m <sup>2</sup> /day	ASTM F1249

\*Partial Discharge Voltage tested at TÜV Rheinland



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[www.bekaertfilms.com](http://www.bekaertfilms.com)

Solar Gard® films, manufactured by Bekaert Specialty Films, LLC  
4540 Viewridge Avenue, San Diego, CA 92123  
T (858) 614-1206  
Contact: Yoshi Okamoto, Sales Manager  
T +81 3 5542 7772 email: [yoshihiro.okamoto@bekaert.com](mailto:yoshihiro.okamoto@bekaert.com)