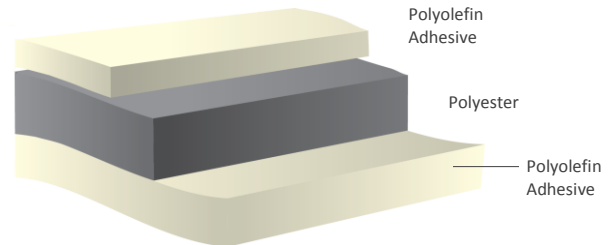


TranSolar® EPE Film

DESCRIPTION:

TranSolar® EPE is a multilayer film structure designed for electrical insulation, spacing, and cosmetic masking in PV modules. TranSolar® EPE is designed for use in both rigid and flexible thin film solar cells, featuring a polyester film with a proprietary polyolefin adhesive layer bonded to both sides.



FEATURES:

- Available in black, white, and clear
- Precision slit in a variety of roll widths

TECHNICAL DATA:

PROPERTIES	UNIT	TYPICAL VALUES					METHOD
Laminate thickness	um	25/25/ 25	25/25/50/ 25	25/50/ 25	100/50/1 00	13/50/ 13	caliper
Tensile strength (MD)	MPa	185	180	180	180	180	ASTM D-882
Tensile strength (TD)	MPa	195	200	200	200	200	ASTM D-882
Elongation (MD)	%	115	140	140	140	140	ASTM D-882
Elongation (TD)	%	90	110	110	110	110	ASTM D-882
Heat Shrinkage (MD) 150 0 C x 30'	%	4	1.5	1.5	1.5	1.5	ASTM D-1204
Heat Shrinkage (TD) 150 0 C x 30'	%	2	1	1	1	1	ASTM D-1204
WVTR	g/(m ² * day)	<4	<3	<3	<3	<3	ASTM F-1249
Interlayer Adhesion	N/cm	10+	10+	10+	10+	5+	T-peel peak value
Adhesion to EVA	N/cm	50+	50+	50+	50+	30+	internal
Partial discharge	dcV	1000+	1000+	1000+	1000+	1000+	IEC 60664-1

All information, recommendations and suggestions contained herein, including, without limitations, stated values (collectively the "Information") shall be used only as a guide by Purchaser and not for specification or any other purpose. The Information does not constitute a warranty nor guaranty of any type whatsoever. Purchaser should independently determine the suitability of all material purchased and must confirm adaptability and other characteristics by conducting its own test. Transcendia shall have no liability as a result of any loss, expense, damage, cost or other injury which results from Purchaser's reliance on the Information.

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