



POLYMERIC INTEGRATION

Hyperion TPT 1000

PVF / PET / PVF





Product Data Sheet

Product Name: Hyperion TPT 1000

Product Description: Hyperion TPT 1000 is a white polyvinyl fluoride /polyethylene terephthalate / white polyvinyl fluoride laminate engineered for use in photovoltaic backsheets applications.

NOMINAL PROPERTIES

PHYSICAL

TENSILE AT BREAK (MD/TD)	27/29 kpsi	ASTM D882
ELONGATION AT BREAK	140%	ASTM D882
THICKNESS:		
PVF	25 um	ASTM D882
PET	250 um	ASTM D882
PVF	25 um	ASTM D882
TOTAL:	300 um	
INTRA-LAYER ADHESION:		
PET/PVF	>9 N/in	ASTM D882

THERMAL:

SHRINKAGE % (MD/TD)	<.87 /1.0	150°C/30 mins.
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ELECTRICAL:

BREAKDOWN VOLTAGE	14.9 kV	ASTM D149
PARTIAL DISCHARGE	>1000 VDC	IEC 60664-1

BARRIER:

MVTR (g/sm/day)	2.4	ASTM F-1249
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