

Product Data Sheet

Product Name: Hyperion EPE 200 BK

Product Code: GPF-28A-3022

Product Description: Hyperion EPE 200 BK is a laminate of polyethylene with 4-6% VA/ polyethylene terephthalate / polyethylene with 4-6% VA engineered for internal masking and backsheets for photovoltaic modules.

NOMINAL PROPERTIES

PHYSICAL

TENSILE AT BREAK	5,794 psi	ASTM D882
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YOUNG'S MODULUS	82,556 psi	ASTM D882
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ELONGATION AT BREAK	166%	ASTM D882
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THICKNESS:

EVA black (4-6% VA)	100 um	ASTM D882
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PET	50 um	ASTM D882
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EVA black (4-6% VA)	100 um	ASTM D882
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YIELD:	263g/m ²	ASTM 1505
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INTRA-LAYER ADHESION:

PET/EVA	>15 N/in	ASTM D882
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THERMAL:

SHRINKAGE % (MD/TD)	<1.1 /0.1	150°C/30 mins.
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ELECTRICAL PET:

BREAKDOWN VOLTAGE	12.1 kV	ASTM D149
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DIELECTRIC STRENGTH	4.2 kV/mil	ASTM D149
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UL746B: RTI Electrical 105°C Mechanical 105°C