

Honeywell PowerShield™ PV325

Preliminary Data Sheet

Revised 04/23/08

Description

Effective Date 04/23/08

Nominal 325 µm (13.0 mil) semi-gloss white opaque composite specifically designed as a durable dielectric backsheet for crystalline Si photovoltaic modules rated for 1000 VDC

Properties of 325 µm composite at 73°F & 50% RH	Typical Value		Test Method	
	English	Metric		
Yield	9.90 ft ² /lb.	2.02 m ² /kg		
Reflectance	82%	82%	ASTM E424	
60° Gloss (unprimed side)	67± 5	67± 5	ASTM D2457	
Breakdown Voltage	20 kVDC	20 kVDC	ASTM D149	
Partial Discharge	1080 VDC	1080 VDC	IEC 60664-1	
Dimensional Stability 30 mins. @ 302°F(150°C)	-MD -TD	<1% <1%	ASTM D1204	
Tensile Strength	-MD -TD	200 lbf/in 260 lbf/in	360 N/10mm 460 N/10mm	ASTM D882
Elongation @ break	-MD -TD	140% 100%	140% 100%	ASTM D882
Peel Strength EVA* (primed) initial		>23 lb/in	>40 N/cm	ASTM D1876
Peel Strength Interlayer initial		>2.3 lb/in	>4.0 N/cm	ASTM D1876
Water Vapor Transmission Rate @ 100°F (37.8°C) /100% RH		g/100in ² /day 0.08	g/m ² /day 1.24	ASTM F1249

* STANDARD CURE EVA

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The values presented in this data sheet are typical values and are not to be interpreted as product specifications.

Order and Sales Information

Honeywell Specialty Films Customer Service
Specialty Materials Commercial Excellence
Myer 1
101 Columbia Road
Morristown, NJ 07962
Tel: (800) 9-FILMS-9
Fax: (800) 455-0040

Honeywell (Europe)
Specialty Films
Haasrode Research Park
B 3001, Heverlee (Leuven)
Belgium
Tel: 32 16 391 211
Fax: 32 19 391 363

Honeywell (Asia)
Specialty Films
4th Floor, No.1 Building
430 Li Bing Road, Zhang Jiang Hi-Tech Park
Shanghai 201203, P.R.China
Grace Gu
Tel: 0086-21-28943063
Fax: 0086-21-58553543
e-mail: grace.gu@honeywell.com

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