

INDUSTRIAL FILMS *Preliminary Information**

Absolute Barrier Laminates for Vacuum Insulation Panels

Item number: **V08341G**



Description:

A multi-laminate of metallized polyester film with Aluminum foil, a coex of LDPE/LLDPE as a sealing layer, and a protective Nylon layer. Designed for high barrier applications such as extremely long term Vacuum Insulation Panels requiring absolute barrier of the envelope, and engineered to enhance the mechanical durability of the VIP envelope.

Product Specifications:*Product is under development and values are based on preliminary results.

PROPERTY	TEST METHOD	V08341G	
Thickness	—	90 3.3	[micron] [mil]
Area Yield	—	9.3 6550	[m ² /kg] [in ² /lb]
Heat Seal Strength Heat Seal Break Point	165°C, 4kg/cm ² , 2 sec	>2 >5076	[N/mm] [g/in]
Puncture Resistance	FTMS 101C 2065	110 [N]	24 [lb]
Puncture Resistance (Japanese Sting Strength)	JIS Z1707	13 [N]	2.9 [lb]
MVTR	ASTM F-1249-90 38°C 90% RH 100°F 90% RH	<0.01 <0.000645	[gr/m ² day] [gr/100in ² day]
GTR* (Gas Transmission Rate) @ 22°C/50% RH	Internal test method*	< 2.0	[cc (STP)/ m ² /year]



appliances



construction



thermal packaging



specialty

* GTR is the rate of gas permeation into a panel, while OTR is oxygen permeation rate through a flat film. As air contains mainly nitrogen and the application is VIP, gas permeation is a more relevant value for the film performance. Detailed test description can be found under "Hanita testing methodology for VIP" on our site.

Please note that the lifetime of the products will differ based on the type of application. For a specific indication of lifetime properties of the products related to a specific application, please contact the Avery Dennison Hanita technical support team tech.industrial@eu.averydennison.com. The lifetime indication given by the Avery Dennison Hanita technical support team is based on a calculation believed to be reliable but shall not constitute a guarantee or warranty.

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