

INDUSTRIAL FILMS

Metallized Laminates for Vacuum Insulation Panels

Item number: V09621W



Description:

A laminate comprising metallized white PET film and metallized clear PET laminated to a coex of LDPE/LLDPE as sealing layer, with barrier qualities suitable for short term vacuum insulation panel applications also demanding high mechanical resistance compared to other commercially available laminates¹.

Product Specifications:

PROPERTY	TEST METHOD	V09621W	
Thickness	—	102 4.0	[micron] [mil]
Area Yield	—	8.4 5918	[m ² /kg] [in ² /lb]
Heat Seal Strength Heat Seal Break Point	165°C, 4kg/cm ² , 2 sec	>3.0 >7614	[N/mm] [g/in]
Puncture Resistance	FTMS 101C 2065	130 [N]	41 [lb]
Puncture Resistance (Japanese Sting Strength)	JIS Z1707	16 [N]	5.1 [lb]
MVTR	ASTM F-1249-90 38°C 90% RH 100°F 90% RH	<0.08 <0.00516	[gr/m ² day] [gr/100in ² day]
GTR* (Gas Transmission Rate) @ 22°C/50% RH	Hanita's internal test method*	<25	[cc (STP)/ m ² year]

¹ For a sample comparison report of Hanita laminates with other commercially available laminates, please see "Comparison of Barrier of VIP Laminates - New PST Technology" under Technical Downloads on our site. More data can be provided by our technical support team tech.industrial@eu.averydennison.com. Please note that this footnote is applicable to all references to terms/durations mentioned in this data sheet.

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* 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"

<https://hanita.averydennison.com/content/dam/averydennison/hanita/en/docs/home/customer-tools/technical-docs/td-hanita-testing-methodology-for-vips.pdf>

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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