Technical Fact Sheet

Spicers

Sylvicta

Sylvicta is a food contact paper engineered to achieve extraordinary barrier properties to deliver a clean, naturally translucent and sustainable packaging material. Sylvicta has a high barrier to oxygen, odours and mineral oils. It preserves the aroma and freshness of the packaged goods. Sylvicta is certified for contact with fresh, dry, frozen, moist and fatty foodstuff. Sylvicta is an extremely versatile material and is ideal for a wide range of applications. It is translucent, making see-through packaging possible and lightweight, saving transport costs. By applying a cold or heat seal coating, Sylvicta can be transformed into closed pouches making it ideal for a wide range of markets. Furthermore, its properties can be enhanced with the addition of coatings to increase light and moisture barriers to meet the demands of the specific application.

Features

- FSC® Certified
- PEFC™ Certified
- Carbon Offset
- Biodegradable, compotable, recyclable and repulpable
- Direct food contact safe.
- Ideal for a wide variety of applications

- Can be transformed into closed pouches by applying a cold or heat seal coating

Application Text

- Overlays - With a very high grease barrier, Sylvicta is the right choice to replace plastic overlays.
- Windows - Sylvicta is a truly innovative way to display your product, providing a translucent appearance and increasing shelf life.
- Wrapping - Sylvicta is a recyclable alternative to the multi-layer materials traditionally used for butter and margarine. It can be transformed into a metallized paper to preserve butter's shelf life and maintain a consistent colour.
- Laminating - Sylvicta can be laminated to paperboards and other materials, working as a barrier against mineral oils and replacing petroleum based polymers.
- Pouches - Sylvicta will allow the production of stand-up pouches, through the application of heat or cold seal coatings. It is a sustainable solution to multi-layered packaging.
- Flow Pack - Sylvicta can be produced as a flow pack, providing excellent protection for the product as well as high quality printability.
- Sealed Bags - Pillow-bags, 3-sided bags and sachets can be made out of Sylvicta. Fatty, dry and fresh foodstuff can be packed inside a Sylvicta heat or cold sealed bag.
- Labels - Sylvicta can be transformed into eco-friendly labels that can go directly to your compost.

Important Note

All statements, technical information and recommendation are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed, and the following is made in lieu of all warranties of merchantability and fitness for the purpose: Sellers and manufacturer's only obligation shall be to replace such quantity of

the product proved to be defective. Before using, user shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith.

Print Process

Sylvicta is suitable for all types of traditional printing and finishing such as offset, flexography, embossing, hot foiling and die cutting.
It is strongly recommended to pre test, particularly if using digital press and gravure printing.

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Technical Data

Attributes

Property	Units	Method	42 g/m²	62 g/m²	82 g/m²
Grammage	g/m²	ISO 536	40-45	60-65	80-85
Thickness	µm	ISO 534	43-53	50-60	65-75
Moisture	%	ISO 287	7.0-8.0	7.0 – 8.0	7.0 – 8.0
Transparency	%	ISO 2469	79	78	76
Bendtsen Roughness	ml/min	ISO 8791-2	> 100	>100	>100

Property	Units	Method	42 g/m²	62 g/m²	82 g/m²
Oxygen Transmission Rate[2]	cc/m².24hrs	ASTM F 1927		1.0	1.0
Mineral Oil Migration MOSH[1] $C^{20} \leq C^{35}$	mg/dm²	DIN EN 14338:	<0.02	<0.02	<0.02

Barrier

Mechanical

[1] MOSH and MOAH testing: 10 days at 40°c. Specific Migration into Tenax®

[2] Oxygen Transmission Rate and Water Vapour Transmission Rate testing carried out at 23°c and 50%RH

[4] TEA = Tensile Energy Absorption

[5] Average of Machine Direction and Cross Direction

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		2004-03			
Mineral Oil Migration MOAH¹ $C^{16} \leq C^{35}$	Mg/dm²	DIN EN 14338: 2004-03	<0.02	<0.02	<0.02
Palm Kernel Oil	Hours	ISO 16532-1	<0.002	<0.002	<0.002
KIT	#	T559	12	12	12
Water Vapour Transmission rate	g/m².d	T448	90	75	60

Property	Units	Method	42 g/m²	62 g/m²	82 g/m²
Tensile Strength MD	Kn/m	T494	4.0	5.4	7.2
Tensile Strength CD	Kn/m	T494	2.0	2.8	3.8