



Sylvicta

Technical Data Sheet

(Typical Values)

Trade name: Sylvicta

Version: 1.0.5 / EN

Revision date: 12/11/2020

	Property	Units	Method	140 g/m ²	160 g/m ²	180 g/m ²
ATTRIBUTES	Grammage	g/m ²	ISO 536	136-144	155-165	175-185
	Thickness	µm	ISO 534	110-122	125-140	140-155
	Moisture	%	ISO 287	7.0-8.0	7.0-8.0	7.0-8.0
	Transparency	%	ISO 2469	70	67	66
	Cobb 60	g/m ²	T441	25	25	25
	Bendtsen Roughness	ml/min	ISO 8791-2	>150	>200	>250
BARRIER ³	Oxygen Transmission Rate ²	cc/m ² .24hrs	ASTM F 1927	1.0	1.0	1.0
	Mineral Oil Migration MOSH ¹ C ₂₀ -≤C ₃₅	mg/dm ²	DIN EN 14338: 2004-03	<0.02	<0.02	<0.02
	Mineral Oil Migration MOAH ¹ C ₁₆ -≤C ₃₅	mg/dm ²	DIN EN 14338: 2004-03	<0.02	<0.02	<0.02
	Palm Kernel Oil	Hours	ISO 16532-1	>24	>24	>24
	KIT	#	T559	12	12	12
	Water Vapour Transmission Rate ²	g/m ² .d	T448	37	35	32
MECHANICAL	Tensile Strength MD	kN/m	T494	12.0	12.8	13.6
	Tensile Strength CD	kN/m	T494	6.6	7.4	8.2
	TEA ⁴ MD	J/m ²	T494	390	450	500
	TEA ⁴ CD	J/m ²	T494	280	300	310
	Elmendorf Tear ⁵	mN	ISO 1974	550	600	700
	Dry Burst	kPa	T403	510	580	660

¹MOSH and MOAH testing: 10 days at 40°C. Specific Migration into Tenax®.
Sylvicta as barrier layer against a copy paper used as a MOSH/MOAH donator.

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

³ Further details on Barrier test results are available by contacting Arjowiggins Chartham Mill
Customer Services at: charthamcs@arjowiggins.com

⁴TEA = Tensile Energy Absorption

⁵Average of Machine Direction and Cross Direction