

Technical Data Sheet

(Typical Values)

Trade name: Sylvicta

Version: 1.0.5 / EN Revision date: 01/10/2020

	Property	Units	Method	42 g/m ²	62 g/m ²	82 g/m ²
ATTRIBUTES	Grammage	g/m ²	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
BARRIER ³	Oxygen Transmission Rate ²	cc/m ² .24hrs	ASTM F 1927	5.0	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	90	75	60
MECHANICAL	Tensile Strength MD	kN/m	T494	4.0	5.4	7.2
	Tensile Strength CD	kN/m	T494	2.0	2.8	3.8
	TEA ⁴ MD	J/m ²	T494	70	115	170
	TEA ⁴ CD	J/m ²	T494	55	90	125
	Elmendorf Tear ⁵	mN	ISO 1974	145	220	275

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