



# Sylvicta

## Technical Data Sheet

(Typical Values)

Trade name: Sylvicta

Version: 1.0.5 / EN

Revision date: 12/11/2020

|                      | Property                                                                     | Units                    | Method                | 92 g/m <sup>2</sup> | 102 g/m <sup>2</sup> | 112 g/m <sup>2</sup> |
|----------------------|------------------------------------------------------------------------------|--------------------------|-----------------------|---------------------|----------------------|----------------------|
| ATTRIBUTES           | Grammage                                                                     | g/m <sup>2</sup>         | ISO 536               | 90-95               | 100-105              | 109-115              |
|                      | Thickness                                                                    | µm                       | ISO 534               | 73-78               | 80-90                | 90-100               |
|                      | Moisture                                                                     | %                        | ISO 287               | 7.0-8.0             | 7.0-8.0              | 7.0-8.0              |
|                      | Transparency                                                                 | %                        | ISO 2469              | 75                  | 74                   | 73                   |
|                      | Cobb 60                                                                      | g/m <sup>2</sup>         | T441                  | 30                  | 30                   | 30                   |
|                      | Bendtsen Roughness                                                           | ml/min                   | ISO 8791-2            | >100                | >100                 | >150                 |
| BARRIER <sup>3</sup> | Oxygen Transmission Rate <sup>2</sup>                                        | cc/m <sup>2</sup> .24hrs | ASTM F 1927           | 1.0                 | 1.0                  | 1.0                  |
|                      | Mineral Oil Migration MOSH <sup>1</sup><br>C <sub>20</sub> -≤C <sub>35</sub> | mg/dm <sup>2</sup>       | DIN EN 14338: 2004-03 | <0.02               | <0.02                | <0.02                |
|                      | Mineral Oil Migration MOAH <sup>1</sup><br>C <sub>16</sub> -≤C <sub>35</sub> | mg/dm <sup>2</sup>       | 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 <sup>2</sup>                                  | g/m <sup>2</sup> .d      | T448                  | 50                  | 40                   | 39                   |
| MECHANICAL           | Tensile Strength MD                                                          | kN/m                     | T494                  | 8.1                 | 9.0                  | 10.0                 |
|                      | Tensile Strength CD                                                          | kN/m                     | T494                  | 4.3                 | 4.8                  | 5.3                  |
|                      | TEA <sup>4</sup> MD                                                          | J/m <sup>2</sup>         | T494                  | 200                 | 240                  | 280                  |
|                      | TEA <sup>4</sup> CD                                                          | J/m <sup>2</sup>         | T494                  | 150                 | 175                  | 200                  |
|                      | Elmendorf Tear <sup>5</sup>                                                  | mN                       | ISO 1974              | 310                 | 370                  | 430                  |
|                      | Dry Burst                                                                    | kPa                      | T403                  | 330                 | 370                  | 410                  |

<sup>1</sup>MOSH 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.

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

<sup>3</sup> Further details on Barrier test results are available by contacting Arjowiggins Chartham Mill  
Customer Services at: [charthamcs@arjowiggins.com](mailto:charthamcs@arjowiggins.com)

<sup>4</sup>TEA = Tensile Energy Absorption

<sup>5</sup>Average of Machine Direction and Cross Direction