

# Technical Data Sheet



## ProVantage Powerflute

### Benefits

- Excellent creep performance
- High resistance to stretching and compression – even in extreme conditions
- Designed for long-distance transport
- Reduces packaging weight due to superior strength with less fibre
- Optimal protection against spoilage
- 100% virgin fibre
- In line with Mondy's Sustainable Product criteria

### End-uses

- Food and beverage packaging
- Fruit and vegetable packaging
- Cold chain packaging
- High-humidity and extreme-climate storage
- Agricultural produce
- Secondary packaging
- Heavy-duty packaging



Food Contact	ISO 9001	ISO 14001	ISO 22000	FSC®	PEFC
•	•	•	•	•	•

### Typical Values

Properties	Method	Unit of measure	Substance (g/m <sup>2</sup> )						
			120	130	140	150	160	175	200
Thickness	On-line	µm	185	200	210	225	240	260	275
CMT <sub>30</sub>	ISO 7263	N	315	355	395	435	475	520	>560*
CCT <sub>30</sub>	Scan-P42	kN/m	2.6	2.9	3.2	3.5	3.7	4.1	4.7
Tensile stiffness <sub>CD</sub>	ISO 1924	kN/m	475	510	545	580	620	680	780
Creep CCT10 (stable humidity creep**)		kg/m	53	59	66	73	77	87	102
Creep CCT15 (cyclic humidity creep***)		kg/m	32	36	40	44	48	56	71
Moisture	ISO 287	%	10						
Gurley air resistance	ISO 5636-5	s	90						
Moisture variation <sub>CD&amp;MD</sub>		%	<1						
Grammage variation <sub>CD&amp;MD</sub>		%	<1.5						



Issued from 01.02.2023,  
latest version available on  
[www.mondigroup.com](http://www.mondigroup.com)

**Test conditions:**  
Typical values after conditioning,  
measured at 50 ± 2% RH and 23 ± 1°C  
(ISO 187 : 1990)

\*Indicative only; \*\*Load bearing capacity of the paper for 10 days in stable humidity conditions (RH90%); \*\*\*Load bearing capacity of the paper for 10 days in variable humidity conditions (RH50%-RH90%-RH50%) Creep CCT15 methodology improves simulations of real life conditions