

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 (lb/1000 ft ²)						
			24.6	26.6	28.7	30.7	32.8	35.8	41.0
Thickness	Online	pt	7.3	7.9	8.3	8.9	9.4	10.2	10.8
CMT ₃₀	ISO 7263	lbf	71	80	89	98	107	117	130*
CCT ₃₀	Scan-P42	lbf/inch	14.8	16.6	18.3	20.0	21.1	23.4	26.8
Tensile stiffness _{CD}	ISO 1924	lbf/ft	6.9	7.4	8.0	8.5	9.0	9.9	11.4
Creep CCT10 (stable humidity creep**)		lb/ft	36	40	44	49	52	58	69
Creep CCT15 (cyclic humidity creep***)		lb/ft	22	24	27	30	32	38	48
Moisture	ISO 287	%	10						
Gurley air resistance	ISO 5636-5	s	90						
Moisture variation _{CD&MD}		%	<1						
Grammage variation _{CD&MD}		%	<1.5						



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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; **** computed, based on SI units