

Bending Stiffness modules

Valmet Paper Lab

Bending Stiffness module is available in two versions, for paper or board. The module cuts a test specimen of the sample, bends it downwards, and measures the bending resistance of both sides.

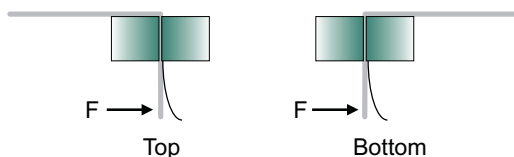
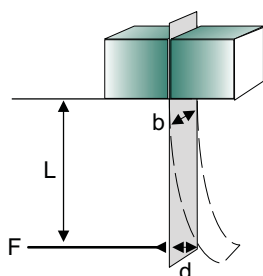
Bending Stiffness Paper – measurement according to standard ISO 5628. Related standards: ISO 2493, DIN 53121, TAPPI T566, TAPPI T556, SCAN P29.

Bending Stiffness Board – measurement according to standard ISO 5628. Related standards: ISO 2493, DIN 53121, TAPPI T489, TAPPI T556.



Benefits for the papermaker

- Top and bottom measurements separately
- Standard method
- Superior, innovative measuring principle
- Cross profiles (MD/CD)
- Crucial measurement e.g. for folding boxboard and copying paper



Technical data – Bending Stiffness Paper

Size (cells)	3
Weight	upper module 5.6 kg (12.3 lbs) lower module 6.9 kg (13.2 lbs)
Specimen	width 15 mm bending length 10 mm
Measuring range	
- Bending Res. (stiffness)	0.016–1 mNm (Taber)
- available angles	5° / 7.5° / 15°
- Basis Weight range	appr. 50–150 g/m ² (grade dependent)
Example of reported properties:	
- Stiffness (Taber)	$S = FL^3 / 3db$

Technical data – Bending Stiffness Board

Size (cells)	3
Weight	upper module 2.6 kg (5.8 lbs) lower module 3.2 kg (7 lbs)
Specimen	width 15 mm bending length 32 mm
Measuring range	
- Bending Res. (stiffness)	1–100 mNm (Taber)
- available angles	5° / 7.5° / 15°
- Basis weight range	appr. 150–400 g/m ² (grade dependent)
Example of reported properties:	
- Stiffness (Taber)	$S = FL^3 / 3db$

For more information, contact your local Valmet office. www.valmet.com

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