

Tensile-L module

Valmet Paper Lab

For many paper grades, tensile strength is often the most important strength property.

The tensile module cuts a specimen (100 mm x 15 mm) from the sample and clamps it at two points located at a distance of 100 mm from each other. The specimen is then pushed up until it breaks, and the module measures tensile strength, elongation at break, and T.E.A. If basis weight is known, various indices can be calculated.

Measurement according to standard ISO 18522.

Related standards: SCAN-P 67, ASTM D828, AS 1301-4485, AFNOR QO 3-001, BS 4415, CPPA D.34, SCAN-P38, ISO 1924-2, ISO 1924-3, TAPPI T494, JIS P 8113.



Benefits for the papermaker

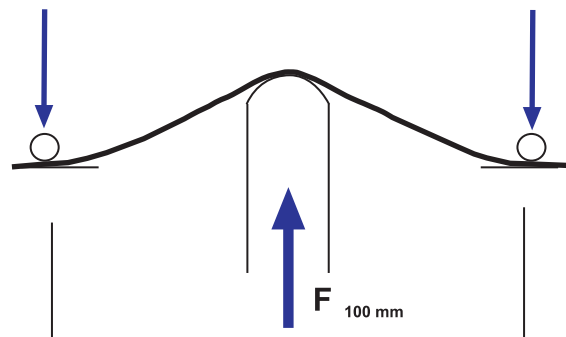
Fast measurement

Wide range of properties available

All calculated properties are generated automatically

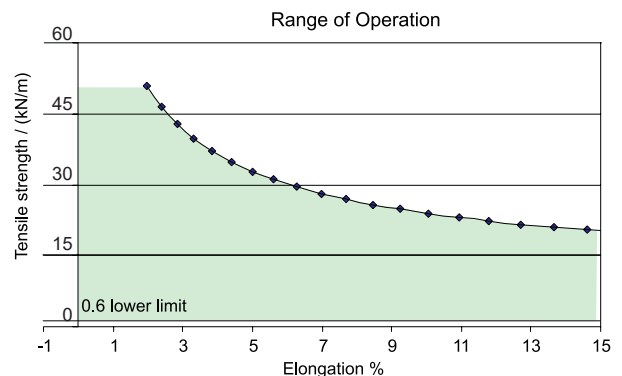
Accurate, reliable operation and comprehensive diagnostics

Regular maintenance minimized



Technical data

Size (cells)	3
Weight	upper module 7 kg (15.4 lbs) lower module 5 kg (11 lbs)
Measuring range	
- Tensile strength [kN/m]	min. 0.6
- Tensile strength [lbf/inch]	min. 3.4
- Upper limit is dependent on elongation, see graph	
Examples of reported properties:	
Tensile strength, Elongation, Tensile index, Tensile Energy Absorption (TEA), TEA index, Breaking length, Tensile ratio (CD/MD), Tensile Stiffness	



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

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