

Tensile, Stretch, TEA

Tensile strength is the ability of material to maintain its integrity when under tension, and the test is run according to TAPPI Test Method T494. Samples are cut to prescribed widths, clamped, and pulled to the breaking point. Stretch is the amount of extension that takes place during the test. TEA, tensile energy absorbed, is the amount of work that is done during a tensile test. Tensile tests are run on standard conditioned paper samples or on samples that have been saturated with water. This is wet tensile. Wet tensile is of interest where paper products are used in wet environments.

