

Useful Methods

Numerical Listing

NOTE: This list was updated January 17, 2011.

Fibrous Materials Testing

- UM 3 Determination of useful fiber in bagasse
- UM 23 Bulk density of wood chips

Pulp Testing

- UM 203 Freeness of pulp (Williams tester)
- UM 205 Dirt in pulp (measured by transmitted light)
- UM 221 Laboratory processing of pulp (plate refiner)
- UM 240 Shive content of mechanical pulp (laboratory flat screen)
- UM 242 Shive content of mechanical pulp (Somerville fractionator)
- UM 253 Laboratory processing of pulp (ball or pebble-mill method)
- UM 256 Water retention value (WRV)
- UM 258 Laboratory processing of pulp (Kollergang method)

Paper Testing

- UM 411 Opacity of paper using 45° reflectometer
- UM 542 Amount of coating on mineral-coated paper
- UM 554 Polystyrene in paper products
- UM 555 Testing of grease-repellant treated paper
- UM 566 Wetting shipping sack paper for testing
- UM 573 Water vapor permeability of sheet materials at -18°C (0°F)
- UM 579 Water repellency of paper and boards
- UM 590 Creasing (using steel rules) of paperboard for water vapor transmission (WVTR) testing
- UM 596 Water absorbency of nonbibulous paperboard

Nonfibrous Materials Testing

- UM 658 Color strength and shade of dye

Container Testing

- UM 821 A non-destructive production tool to measure the general flute quality and damage of corrugated board using resonance frequency technology