



SAHARANPUR TESTING INSTRUMENTS PVT LTD

Manufacturer & Suppliers of All Kind of Pulp, Paper, Board, Tissue, Packaging, Converting & General Testing Instrument for Laboratory

PLOT NO 42-44, SRIRAM VATIKA IND. AREA, OPP. STATE BANK OF INDIA DELHI ROAD, SAHARANPUR U.P 247001 | Mob.: +91-9897044832, +91-9634261884 Email : stipl.pti@gmail.com /info@stiplindia.com

ABRASION TESTER



Usage : to Determine the abrasion according to friction wheel method .

Definition: A property of paper referring to the degree to which a paper can maintain its surface and structural integrity under prolonged rubbing, scratching, and scuffing The term *abrasion resistance* also refers to a printing ink's ability to resist scuffing and scratching with increased handling, an important consideration in the printing of packaging and other materials destined to be subjected to abrasive forces.

Standardization : DIN 53754 , DIN 68861-2 , DIN 52347, DIN 53109 , TAPPI T476 u.v.m

Device description : The abrasion tester is a robust instrument suitable for table top use . the accurate control and driving elements are contained in sturdy aluminum housing with durable baked wrinkle enamel finish .

The operating data , such as number of test cycles and vacuum rate , are entered by way of control panel with keyboard . A digital display shows reading of the either current abrasion cycles rate (wear index) or the remaining number of abrasion cycles. By using the abrasion tester , two abrasion sets with different specified parameters can be conducted simultaneously , yet remaining independent of each other . the instrument enables abrasion testing on paint and other coatings , such as paper , leather , ceramics , textile surface structures and metals . the equipment is suitable for use in research and development for in-process and quality assurance controls

Test Description: Abrasion resistance is measured in a laboratory by rotating a paper sample under abrasive wheels for a set length of time, and then measuring the sample's change in weight. Wet or dry abrasion resistance tests can be performed. The wearing action is caused by two abrasive wheels , which are applied at a defined pressure to material sample , which has been mounted on a rotating specimen holder . abrasion resistance can be established by various testing methods (weight loss method , visual end point method , depth of wear method etc.)

Specifications :

Sample size :	110 mm with centre hole
Type .:	Twin shaft with two platform
Abrasing Wheel:	Dia 50 mm and 12.7mm thick Non resilient wheel composed of special finally screened and standardize abrasive and rubber based Resilient wheel
Counter :	Predetermined 6 digit Digital revolution counter
Dead weight load :	250 & 500 gf.,
Rpm :	70-75 per min

Ref.Std, TAPPI T 476

Delivery Contents :

Consumables :

Service and Startup :