



VALUE ADDED SERVICES

DESIGN
GRAPHICS

LAB TESTING

CUSTOMER VALUE ANALYSIS
MECHANICAL PACKAGING SYSTEMS
VASCONNEX

VAS capabilities inspiring VAS opportunities

VAS Servicing your testing needs

International Paper testing laboratories in Memphis, TN, Indianapolis, IN and Aurora, IL, are committed to providing outstanding technical support for our facilities and their customers. Our staffs have extensive training in the use of laboratory test procedures. Subject matter experts are also trained to interpret results and help troubleshoot quality and manufacturing issues.



What We Do

Testing procedures for the following standards:

(TAPPI) Technical Association of the Pulp and Paper Industry

(ASTM) The American Society for Testing and Materials

(ISTA®) International Safe Transit Association

(NMFC) National Motor Freight Classification

* Custom testing procedures are available as well

Certification Information



Capabilities also include Performance testing following ASTM and NMFC procedures.

Contact Us:

VAS Value Added Services Lab Services Manager

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LAB TESTING

Environmental Standards

Memphis and Indianapolis testing labs conditioned to TAPPI standard of 73° F/50% RH

Pre-conditioning rooms set to 80° F/30% RH

Environmental Chamber Conditioning Rooms:

Indianapolis (ICCC): 45° F to 120° F, up to 95% RH;

Memphis (MCCC), 0° to 100° F, up to 95% RH



Lab Testing Capabilities

Paper Tests:

- Taber abrasion
- Basis weight
- Caliper (paper thickness)
- STFI (short span compression)
- Ring crush
- Mullen (burst strength)
- Tear strength
- Internal bond strength (i.e. plybond)
- Concora
- Tensile strength
- Re-pulpability
- CMT (medium fluted edge crush)
- Gurley porosity
- Smoothness (Emveco, Sheffield)
- Water Absorption
- Brightness
- Wax content / % Wax pickup
- Taber stiffness

Package Performance Testing:

- Vibration - fixed displacement rotary, sine sweep and repetitive shock
 - random, simulating truck or rail shipment
- Impact - free-fall drop and incline impact table
- Compression - up to 45,000 lbs.

Combined Board Testing:

- Caliper (board thickness)
- Component analysis
- Corrugating Adhesive determination
- DST
- Edge Crush Test (ECT)
- Mullen (burst strength)
- Flat crush
- Beach puncture test
- Pin adhesion
- Tensile strength
- Notched tear test
- Smoothness
- Sheffield porosity (State for combined board only)
- Angle of slide/coefficient of friction
- Sutherland rub test
- Moisture content
- Wax content / %Wax pickup
- Water Absorption

Corrugated Box Testing:

- Compression testing (dynamic, static)
- Handle and Hand Hold Strength Evaluation
- Angle of slide/coefficient of friction
- Manufacturer's joint pull test



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