



DETROIT TESTING LABORATORY, INC.



Physical & Mechanical Properties of Materials

Detroit Testing Laboratory can perform a wide range of property testing, from hardness to tensile. Our analysis spans everything from ripping fabric to determine its tear resistance, to flammability tests on plastic materials to measure burn rates. The goal of such testing is to determine if the material meets the customer's quality needs.

The retention of a material's properties can also be measured during and after simulated environmental exposure. This type of testing proves useful to analyze a material's basic quality, life expectancy, as well as provides important information for product development research.

Testing Capabilities

- Abrasion
- Air Permeability
- Burst Strength
- CLTE
- Cold Impact
- Compression Set
- Compression Properties
- Deflection Temperature
- Dimensional Stability
- Flammability
- Tensile Creep
- Flexural Properties
- Chemical Resistance
- Water Absorption
- Coefficient of Friction
- Low-Temp Brittleness
- Hardness
 - Durometer
 - Pencil
 - Rockwell
 - Wallace
 - Micro
 - International
- Insertion/Extraction Force
- Melt Flow Index
- Migration & Contact Staining
- Water Vapor Transmission
- Stiffness
- Tear Strength
- Odor
- Poisson's Ratio
- Shear Strength
- Specific Gravity & Density
- Tear Strength
- Tensile Properties
- Volume Change
- Fluid Aging
- Cleanliness
- Peel Strength
- Elongation
- Impact
 - Charpy
 - Dart
 - Gardner
 - Izod
 - Multiaxial
 - Instrumented
 - Low Temperature

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