



DRUM ABRASIMETER Model AT-50

Laboratory equipment to determine the resistance to wear by abrasion of standardized samples of Rubber, Plastics, Leather...

TECHLABSYSTEMS

APPLICABLE STANDARDS

ASTM D 5963 - ISO 4649

TEST MODE

The sample to be tested is cylindrical in shape with a diameter of 16 mm, it is subjected to rubbing against an abrasive cloth (standardized), which covers a cylinder, under pressure that is also standardized.

The cloth holder cylinder rotates at a speed of 40 revolutions per minute, and the specimen is in continuous contact with the abrasive for the equivalent of 40 linear meters, after which the specimen holder separates from the abrasive cloth automatically, removing the contact.

The specimen holder arm is provided with a micrometric screw to adjust the position of the specimen. The weight of this arm provides a pressure on the specimen of 0.5 Kg. A special counterweight that can be placed on the arm allows the pressure to be increased up to 1 Kg when very resistant materials are to be tested.

The amount of wear of the tested sample is determined by calculating the difference in weight of the sample before and after the test. It is advisable to have a Precision Balance with reading every 0.001 g)

- **Instant return of the carriage to its initial test position.**
- **Speed: 40 Laps/minute**
- **Friction per turn: 40 cm**
- **Total friction: 40 meters**
- **Specimen feed: 4.2 mm per turn**
- **Micrometric screw with divisions every 0.1 mm.**

OPTIONAL:

Code 10001019 - Security Coverage


OPTIONAL:

Code 10001048 Die cut samples
(16.2mm diameter)

DRUM ABRASIMETER							
Model	Application	Drum rotation speed revolutions/min	total abrasion length m	Sample diametermm	Dimensions An x F x Al /mm	Weight kg	Power W
AT-50	Rubber-plastic abrasion resistance	40	40	16,2	650x330x300	30	600

ELECTRIC CURRENT: 110V/60Hz or 220V/50Hz single-phase

TRANSPORT PACKAGING DIMENSIONS: 770 x 520 x 410 mm (W x D X H)

GROSS WEIGHT: 56 Kg (Wooden packaging with phytosanitary treatment)

STANDARD SUPPLY CONTENT:

* Model AT-50 Drum Abrasion Tester