



76-160 Abrasion Tester

Standards

DIN ISO 4649, NF ISO 4649, ASTM D 5963



Application

System for determination of the resistance of elastomers with regard to the loss of abrasion. The test is carried out on materials that wear off or abrade (e.g. tyres, belts, conveyor belts, shoe soles). Machine frame with drive system and specimen holder, abrasion drum, metal housing, electric motor for rotation of the drum and the specimen holder.

Features

- Abrasion tester (100-240 VAC 50/60 Hz, 1A)
- Plexiglas cover
- Integrated weight 2.5 N
- Additional loading weights (2.5 N and 5.0 N)

Accessories available

- Abrasion sheets
- Cutting devices
- Standard reference elastomer (no. 1, no. 2)
- Balances
- Cleaning devices
- Heating devices for heating up the drum



Technical Data

Sample loading force	N	2.5 5 7.5 10
Expendable to	N	12.5 15 17.5 20
Dimensions	W x D x H [mm]	760 x 360 x 320
Weight	[kg]	gross 80 net 50
Mains	[V/Hz]	230 / 50/60
Power	[VA]	100
Dimensions of the abrasive sheet	L/W [mm]	474 x 400
Abrasiveness of the abrasive sheet		60
Abrasion path of the sample	[m]	40 (20)
Corresponds with the drum rotations		84 (42)
Sample diameter	[mm]	16
Rotation of the sample holder (using the rotating sample)	[min-1]	0,9
Sample length	[mm]	6 ... 15
Maximum sample gripping length	[mm]	13
Rotation of the drum	[mm]	4.2
Abrasion speed of the drum	[m/s]	0.32
Drum rotation	[min-1]	40
Drum diameter	[mm]	150
Drum length	[mm]	460
Order no.		76-160