



## **Durometer Shore Hardness test** LD0550, LD0551

**Datasheet** 

**Product Description:** 

A reliable instrument for measuring the impression hardness of soft materials such as coatings, plastics and rubber. Equipped with a drag indicator, which holds the highest measured result. Durometer type A for materials such as elastomers, vinyl, rubber, leather, pvc, silicone-rubber, teflon, neopreen, etc.. Durometer type D for materials such as polyester, ABS, nylon, polyurethane, kevlar, acryl, wood, polystyrene etc..

**Standards** 

- DIN 53505 Härteprüfung nach Shore A und D
- ISO 868 Determination of indentation hardness by means of a durometer (Shore hardness)
- ASTM 0 2240 Standard Test Method for Rubber Property-Durometer Hardness

Application/ application area's:

Automotive, coating industry, construction/building maintenance, laboratory, paint, galvanize, pharmaceutical

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Features:

- Made of anodised aluminum and stainless steel
- Drag pointer gives the maximum reading of the hardness
- Revolving graduation scale
- Test Block included



Standard delivery:

- Hardtop box
- Durometer
- Manual
- Test block 25 / 50 /75 (LD0550 Durometer A); 10 (LD0551).

**Optional items:** 

Durometer Test Stand LD0559

Use

- Hold the Durometer in vertical position above the specimen.
- Press the durometer down without shock until the presser foot (1b) is in full contact with specimen (see photo above at the right). The drag pointer (2) gives the maximum reading of the hardness. (take readings after: 3s=DIN 53505, 1s=ISO 868 and ASTM D 2240).

**Technical data** 

Range : 0-100

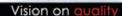
Accuracy : 0.006

Material : Stainless steel, anodised aluminum

Width: 25mm
Height: 110mm
Length: 60mm
Weight: 230gr.

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## Special care

- Clean the instrument using a soft dry cloth. Never clean the instrument by any mechanical means such as a
  wire brush or abrasive paper. This may cause, just like the use of aggressive cleaning agents, permanent
  damage.
- We recommend annual calibration.

## **Safety Precautions:**

- Never press the indentor (1a) on sensitive or hard materials (e.g. steel, glass, human hands, eyes).
- Not suitable tor children.
- Always store the Durometer and its components in the carrying case, when it's not being used.

Disclaimer:

The information given in this sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. Whilst we endeavour to ensure that all advice we give about the product (whether in this sheet or otherwise) is correct we have no control over either the quality or condition of the product or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of the product or for any loss or damage (other than death or personal injury resulting from our negligence) arising out of the use of the product. The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.

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