



ENGLISH

Datasheet

RS Pro Digital Shore A Durometer

RS Stock No: 123-0926



Specifications:

Shore Durometers provide a fast and convenient method of measuring the hardness of rubbers, plastics, leather and other soft materials

Large Digit Size: 14mm

3 Button Control: ON/OFF, HOLD, ZERO

Power: 1 x Lithium CR 2032 – 3V Battery

Manufactured to comply with BS ISO 7691-1:2004

Supplied in fitted case complete with check block

| Order Code | Manufacturers Code | Shore Scale | Presser Foot Dia | Specimen Thickness |
|------------|--------------------|-------------|------------------|--------------------|
| 123-0926 | 59-522-666 | A | 30 | 16 |



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Test Procedure:

The principle used to determine Shore Hardness is based on measuring the resistance force of the penetration of an accurately ground conical probe into the test material under a known spring load.

The amount of penetration is converted into a Shore Hardness value on a dial with 100 Shore Hardness graduations.

Specimen size should allow measurement to be taken at least 12mm from any edge. The specimen surface should be flat and parallel to allow the presser foot to contact its surface over an area which has a minimum radius of 6mm from the Durometer's indenter.

The specimen may be constructed with layered pieces to achieve the necessary thickness requirement. Measurements taken this way may not agree with those taken on solid pieces, due to the surface faces between layers not being in complete contact.

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| <p>Shore A Probe</p> <p>AT ZERO READING</p> | <p>Shore A instruments are suitable for measuring the surface hardness of the following materials:</p> <ul style="list-style-type: none">Soft rubberElastomersNatural rubberSoft PVCLeatherNeoprene <p>Application range: 10 – 90 Shore A units Accuracy: ± 1 hardness unit</p> |
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