

Determination of Shore A Hardness

HARDNESS MEASUREMENT IN ELASTOMERS AND RUBBERS



KEY WORDS

SHORE A HARDNESS,
CAUCHO,
ASTM D2240

DESCRIPTION

This service allows for the determination of indentation hardness in soft materials such as rubbers, elastomers, and other flexible polymers. The Shore A scale is used to quantify a material's resistance to penetration by a standardized point under a defined force. It is a fast and non-destructive method, widely used for quality control and material specification in industry.

AVAILABLE TECHNIQUES AND/OR EQUIPMENT

- Determination of Shore A hardness in rubbers according to ASTM D2240

APPLICATIONS

- Gaskets, seals and O-rings
- Rubber rollers and wheels
- Hoses and flexible tubes
- Shoe soles
- Silicones and thermoplastic elastomers (TPE)

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