Hardness Testers

PCWI International are leaders in the manufacture, certification and distribution of specialist measuring instruments relevant to the metals construction and coating industries.

PCWI
PRECISION INSTRUMENTATION

Barcol 934 & 935 - Material Hardness

Meets ASTM D-2583-07

Barcol 934

Complies with the requirements of AS/NZS 3572.22 for:
Fibreglass, Hard plastics, Aluminium & its Alloys, Brass and Copper.

Barcol 935

For: Coatings (min 700µm), Soft plastics and Very soft materials

Features

Portable. Easy to use. Can be used in any position and in any space that will allow for an operators hand. Hardness is instantly indicated on the dial, which is divided into 100 graduations.

Best suited for testing homogeneous materials. Materials of granular, fibrous or coarse structure will produce a wide variation in hardness readings because of the small diameter of the indenter point. For accurate readings, materials should be of at least 700µm thick, and large enough for a minimum distance of 3mm in any direction from the indenter point to the edge of the specimen. The test area should be smooth and free from mechanical damage.

The Barcol is used by simply exerting light pressure against the instrument to drive the spring loaded indenter point into the material. The indenter point must be perpendicular to the surface being tested.

Conversion curves for the 934 are available. They are not available for the 935, because physical characteristics of very soft materials are such that uniform correlation between different hardness measuring systems cannot be established.

Supplied with

Two spare indenter points, test disc(s), adjusting wrench & carry case.

Specifications

Range:

934 Records	35 to 100 Barcol
935 Records	22 to 87 Barcol

Weight: 500g