

ASKER Durometer Type F



The ASKER Durometer Type F for much softer specimens (low hardness) gives accurate readings as it features a larger indentor and pressure foot.

The durometer exclusively for various foam materials such as urethane foam, sponge, etc.

There is no need to press the durometer into the specimen, but just to place it onto the specimen. As it is soft, the weight of the durometer constitutes the pressure to the specimen.

Features

Indentor

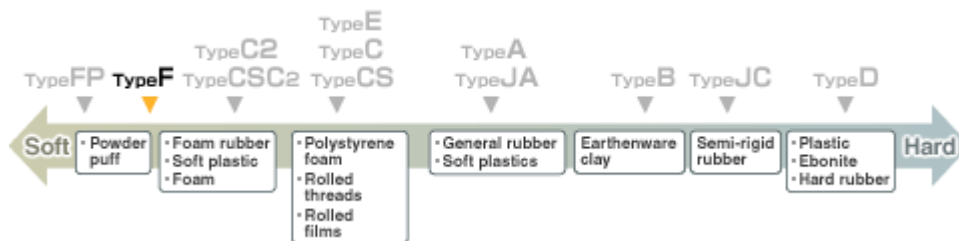
Height: 2.54mm Shape: Cylindrical

Pressure foot



The pressure foot in contact with a specimen is 80mm in diameter, wide enough to offer a stable measurement by placing it onto the specimen.

Hardness Tester Selection Chart



Our product line consists of various types of durometers applicable to specific materials as indicated in the chart above.

Type A Durometer (ASKER A type), conforming to JIS K 6235 is the most popular type of durometer for measuring rubber hardness.

However, verification is recommended because a significant difference is estimated to be the largest when a durometer indicates measurement values from 10 to 90 points.

For hard specimens for which Type A Durometer readings indicate more than 90 points, measurements should be undertaken using the Type D Durometer (ASKER D type). However, for soft specimens with measurements of less than 20 points, the ASKER C type or Type E Durometer (ASKER E type) should be used. The most important consideration in using durometers is to select the correct type for purposes of measurement according to the specimen.

Specification

Indication range	0 point - 100 point (262 degree dial scale)
Minimum indication	1 point (Accuracy : ± 1 point)
Indenter Design (mm)	Height: 2.54 25.2 Dia. Cylindrical
Spring Forces [mN(g)]	0 point: 539(55) 100 point: 4460(455)
Central hole of diameter of Pressure foot	$\Phi 26$
Pressure foot Dimension (mm)	$\Phi 80$ (Round shape)
Outer Dimension (mm)	Approx. Width 80×Depth 80×Height 81
Weight (g)	500
Application	Urethane foam Sponge Nonwoven fabric

Option



Two-pointer type (max-hand and active hand) of Rubber Hardness Tester

The stationary set hand (max-hand) makes the maximum value easier to read and allows the creep characteristics of a specimen.

Accurate measurement is made possible for specimens* for which stress relaxation occurs over time or for specimens for which it is difficult to take readings from the front.

*Materials for which the reading decreases immediately after the indenter has been pressed against the surface.