

DUROMETER MADE EASY[®]

DUROMETER HARDNESS SCALES – GENERAL REFERENCE GUIDE

PARAMOUNT PDS GUIDE

SHORE A	SHORE D	MATERIAL COMPARISON EXAMPLES
0		Very soft, flesh like (baby's bottom)
10		Very soft, rubbery
20		Soft (rubber bands)
30		Medium soft (art gum eraser, bathtub caulk)
40		Firm (red rubber pencil eraser)
50	5	Bungee strap, auto radiator hose
60	15	Vinyl feet for chairs, sneaker sole
70	25	Vinyl garden hose, rubber ducky
80	35	Extension cord plug, Tupperware
90	45	Vinyl watch strap
100	55	Rubber printing press rollers
	65	Skate wheels, polyethylene
	75	Computer housings, ABS
	85	Very hard
	95	Kitchen counter laminate

MCMMASTER-CARR GUIDE

Durometer is the international standard for measuring the hardness of rubber, plastic, and most nonmetallic materials. The hardness of a material is its resistance to surface penetration. Harder materials have more wear resistance, but they are also less flexible. Note that an object may fall within more than one scale—for example, a typical shoe heel is 95 Shore OO, 70 Shore A, and 22 Shore D.

