



Confused about shore hardness in silicones and resins? Here's a "shore" way of sorting it out ...

Shore "A" is flexible – the lower the Shore "A", the more flexible the product

Shore "D" is rigid (that is not flexible) – the higher the Shore "D" the higher the flexural strength.

For example, taking a look at the shore A scale

... a shore hardness of **8A** is very flexible, floppy, similar to skin,

... a shore hardness of **20A** has medium flexibility, like an art gum eraser

... a shore hardness of **55A** has firm flexibility, like a radiator hose.

Looking at the "D" scale,

... Shore **45D** compares similarly to moulded plastic ends & plugs

... Shore **70D** compares with Skate Wheels

... 85D is similar to computer casings.

The majority of silicones have an "A" shore hardness ...

... whereas resins can have both an "A" or "D" shore hardness.

Most resins will have a "D" shore hardness giving them a rigid finish.

Resins with an "A" shore hardness have a flexible finish.

