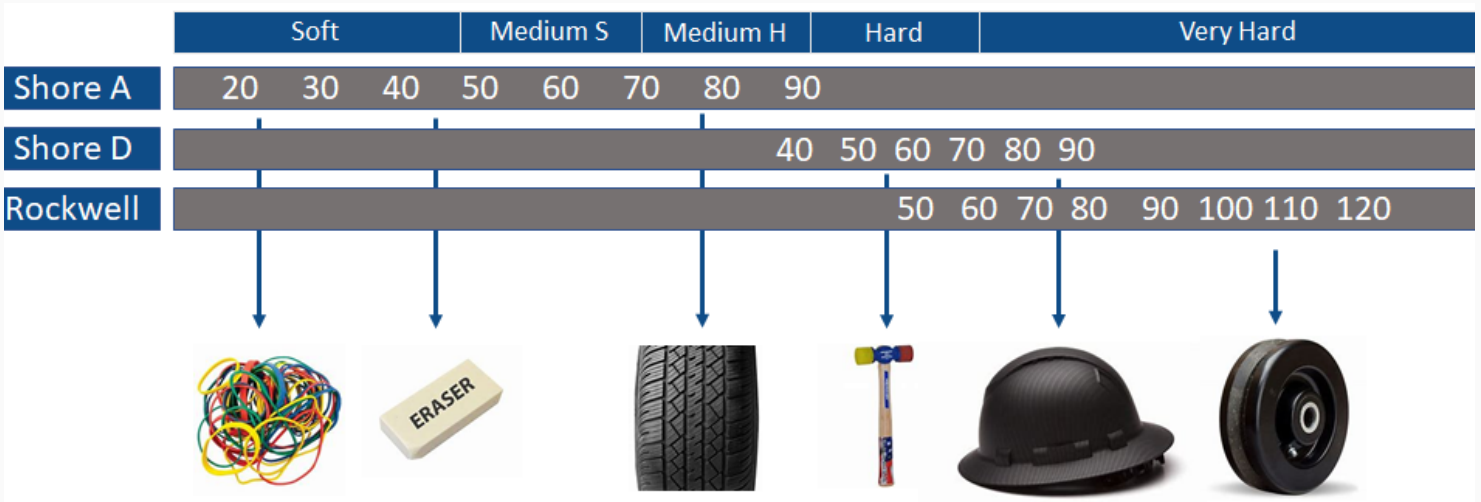


BAMBERGER POLYMERS TECH TIPS



Hardness

Whether developing consumer devices and products, or industrial parts, hardness is a key engineering parameter that needs to be considered early in the part design process.

The hardness of a material can vastly differ from grade to grade ultimately affecting finished part performance. Material hardness qualifies a product's resistance to penetration, wear, and scratch.

Hardness also plays a critical role as to how a part will look and feel as well as how it will react in certain environments.

Traditionally in plastics there are three primary scales used to describe the durometer or hardness of a material:

- Shore durometer A ASTM D2240
- Shore durometer D ASTM D2240
- Rockwell HRK ASTM E18-20

The shore scale offers an instantaneous as well as a delayed hardness to describe a material's viscoelastic properties

Bamberger Polymers offers a full suite of materials with varying hardness properties designed to meet you specific application requirements.



Bamberger Polymers