

The ability of a material to be stretched into a wire

Ductility

The resistance of a material to scratching or indentation

Hardness

The ability of a material to absorb energy and plastically deform without fracturing

Toughness

The ability of a material to conduct electricity or heat

Conductivity

The ability of a material to return to its original shape after being stretched or compressed

Elasticity

The ability of a material to be hammered or rolled into thin sheets

Malleability

The mass per unit volume of a material

Density

The weakening of a material caused by repeatedly applied loads

Fatigue

The ability of a material to withstand an applied load without failure

Strength

The tendency of a material to fracture or fail upon sudden impact or stress

Brittleness

The ability of a material to undergo permanent deformation without breaking

Plasticity

The gradual destruction of materials by chemical reactions with environmental elements

Corrosion

A material that does not easily transmit electricity or heat

Insulator

The slow, permanent deformation of a material under constant stress

Creep

Having the property of attracting iron and certain other materials

Magnetic

