

Dependence on material

Electrical resistivity

WebElements

H

Li

Na

K

Rb

Cs

Fr

Be

Mg

Ca

Sr

Ba

Ra

Sc

Y

Lu

Lr

Ti

Zr

Hf

Rf

V

Nb

Ta

Db

Cr

Mo

W

Sg

Mn

Tc

Re

Bh

Fe

Ru

Os

Hs

Co

Rh

Ir

Mt

Ni

Pd

Pt

Uun

Cu

Ag

Au

Uuu

Zn

Cd

Hg

Uub

Ga

In

Tl

Uut

Ge

Sn

Pb

Uuq

As

Sb

Bi

Uup

Se

Te

Po

Uuh

Br

I

At

Uus

Kr

Xe

Rn

Uuo

He

Ne

Ar

Kr

Xe

Rn

Name: platinum (Pt)

Atomic number: 78

Group: 10

Period: 6

Value: 10.6 Ohm m x 100,000,000

La

Ce

Pr

Nd

Pm

Sm

Eu

Gd

Tb

Dy

Ho

Er

Tm

Yb

Ac

Th

Pa

U

Np

Pu

Am

Cm

Bk

Cf

Es

Fm

Md

No

Scatter plot

Shaded table

Ball chart

Thermometer

Bar chart

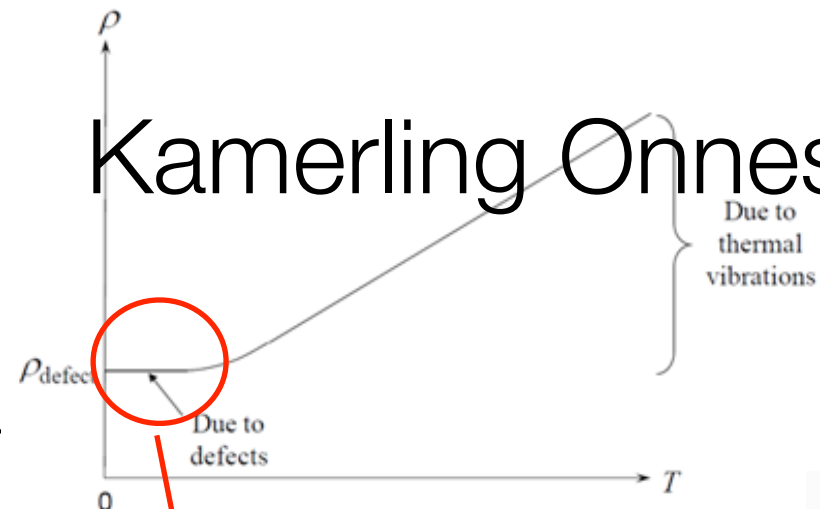
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Material	Resistivity at 23 °C Ohms - meter	Material	Resistivity at 23 °C ohms - meter
Silver	1.59×10^{-8}	Nichrome	1.50×10^{-6}
Copper	1.68×10^{-8}	Coal	3.5×10^{-5}
Gold	2.20×10^{-8}	Germanium	4.6×10^{-1}
Aluminum	2.65×10^{-8}	Silicon	6.40×10^2
Tungsten	5.6×10^{-8}	Human Skin	5.0×10^5 approx.
Iron	9.71×10^{-8}	Glass	10^{10} to 10^{16}
Steel	7.2×10^{-7}	Rubber	10^{13} approx.
Platinum	1.1×10^{-7}	Sulfur	10^{15}
Lead	2.2×10^{-7}	Quartz	7.5×10^{17}

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Dependence on temperature and purity

Kamerling Onnes



Superconductivity

