

## Thermal Conductivity

Material	Thermal conductivity (W/m K)*
<b>Diamond</b>	1000
<b>Silver</b>	406.0
<b>Copper</b>	385.0
<b>Gold</b>	314
<b>Brass</b>	109.0
<b>Aluminum</b>	205.0
<b>Iron</b>	79.5
<b>Steel</b>	50.2
<b>Lead</b>	34.7
<b>Mercury</b>	8.3
<b>Ceramic Microspheres</b>	0.071
<b>Glass, ordinary</b>	0.8
<b>Concrete</b>	0.8
<b>Water at 20° C</b>	0.6
<b>Brick, insulating</b>	0.15
<b>Brick, red</b>	0.6
<b>Polystyrene (Styrofoam)</b>	0.033
<b>Polyurethane</b>	0.02
<b>Wood</b>	0.12-0.04
<b>Silica aerogel</b>	0.003