

Metal	Hardness (Rockwell B-scale)	Thermal conductivity (W/mk)	Thermal expansion (α)	ΔL (200°C, 10 cm length, measurement in cm)	Thermal Diffusivity (mm ² /s)	Price per KG	Melting point in °C
Aluminium	60	250	22.2	0.055	97	2.26	660.3
Brass	77.5	110	18.7	0.047	36.5	4	930
Copper	55	398	16.6	0.042	115	6	1085
Stainless steel	77.5	15	16	0.04	4.2	1.6	1442.5
Steel	78.5	45	13	0.033	11.7	19.62	1287.5