

Material	H (Mohs)/H0	E (GPa)/E0	UTS (MPa)	r(g/cc)/r0
Indium	0.3	0.0635	0.01419558	0.8194881
Lead	0.375	0.07	0.05678233	1.27413561
Tin (beta)	0.375	0.21475	0.69400631	0.81836551
Titanium	1.5	0.58	0.69400631	0.5051639
Tungsten	1.9375	2	3.09148265	2.16659183
Molybdenum (annealed)	1.375	1.65	1.06309148	1.14728334
Zirconium	1.25	0.4725	1.04100946	0.73304894
Tantalum (annealed)	1.625	0.93	1.41955836	1.86910642
Gold	0.6875	0.386	0.3785489	2.168837
Silver	0.6875	0.38	0.44164038	1.17759317
Lanthanum	0.6875	0.183	0.41009464	0.69263583
Cadmium	0.5	0.276	0.23659306	0.96991468
Zinc	0.6875	0.4825	0.11671924	0.79703637
Aluminum	0.6875	0.345	0.978	0.303
Antimony	0.75	0.389	0.03596215	0.74292771
Platinum	0.875	0.84	0.45741325	2.40794791
Palladium	1.25	0.605	0.56782334	1.34968568
Nickel	1	1	1	1
Vanadium	1.75	0.64	2.52365931	0.68590031
Iron	1	1.055	0.61514196	0.88392456
Copper	0.75	0.65	0.69400631	1.00583745
Chromium	2.125	1.395	0.88328076	0.80713965
Rhodium	1.5	1.375	3	1.39762012
Magnesium	0.6875	0.225	0.06309148	0.19510552
Beryllium	1.375	1.435	1.16719243	0.20745397
Alumina	2.25	1.965	1.15772871	0.42995061
WC	2.25	3	1.41955836	1.74000898
Barium Titanate	1.25	0.335	0.13249211	0.67579704
AlN	1.25	1.65	0.73817035	0.36596318
Zirconia	2.125	1	1.30283912	0.67579704
MgO	1.45	1.5	0.39432177	0.40413112
Silicon Nitride	2.125	1.16	0.92429022	0.3558599
BeO	2.25	1.725	0.60567823	0.33789852
Boron Carbide	2.375	2.06	1.30914826	0.27166592
Titanium Diboride	2.4375	2.1	1.12302839	0.50404131
Boron Nitride	2.4375	0.3	0.17350158	0.23574315
Mullite	1.625	0.715	0.34700315	0.3143242
Tantalum Carbide	2.125	1.875	0.61041009	1.62775034
Cordierite	1.75	0.625	0.08044164	0.29187247
a-SiC	2.375	2.38	0.97791798	0.36035025
Fused Silica (glass)	1.475	0.3585	0.15236593	0.24730579

Titanium Nitride	2.25	1.255	0.01577287	0.58599012
Forsterite	1.75	0.75	0.19574132	0.3143242
TiC	2.3125	2.25	0.81388013	0.5545577
Calcium Fluoride	1	0.379	0.49526814	0.35698249
Steatite	0.4375	0.69	0.1955836	0.30422093
Soda-lime glass	1.5	0.35	0.10410095	0.27727885
Borosilicate glass	1.875	0.3125	0.0851735	0.25258195
Brick	1.625	0.15	0.03154574	0.22451729
Concrete	1.625	0.155	0.0126183	0.26942075

Material	TM (deg. C)/TM0	CTE (1/K)/CTE0	TC (W/m-K)/TC0
Indium	0.10790378	2.395522388	0.911
Lead	0.225429553	2.156716418	0.389
Tin (beta)	0.159450172	1.641791045	0.722
Titanium	1.140893471	0.641791045	0.233
Tungsten	2.316151203	0.335820896	1.867
Molybdenum (annealed)	1.800687285	0.358208955	1.55
Zirconium	1.271477663	0.425373134	0.255
Tantalum (annealed)	2.06185567	0.470149254	0.6
Gold	0.728522337	1.059701493	3.5
Silver	0.661168385	1.410447761	4.522
Lanthanum	0.632302405	0.902985075	0.144
Cadmium	0.220618557	2.298507463	1.031
Zinc	0.288659794	2.253731343	1.289
Aluminum	0.453608247	0.791	2.267
Antimony	0.433676976	0.820895522	0.211
Platinum	1.21532646	0.656716418	0.811
Palladium	1.068659794	0.880597015	0.75
Nickel	1	1	1
Vanadium	1.312714777	0.626865672	0.678
Iron	1.057044674	0.880597015	0.811
Copper	0.745704467	1.231343284	4.289
Chromium	1.310652921	0.485	1
Rhodium	1.349828179	0.611940299	1.67
Magnesium	0.446735395	1.865671642	1.77
Beryllium	0.884536082	0.843283582	2.42
Alumina	1.424054983	0.626865672	0.311
WC	1.972508591	0.544776119	0.667
Barium Titanate	1.116838488	0.470149254	0.061
AlN	1.512027491	0.395522388	2
Zirconia	1.865979381	0.78358209	0.033
MgO	1.941580756	0.78358209	0.522
Silicon Nitride	1.305841924	0.190298507	0.222
BeO	1.723024055	0.671641791	3.33
Boron Carbide	1.863917526	0.223880597	0.411
Titanium Diboride	2.236426117	0.52238806	1
Boron Nitride	2.250859107	0.089552239	0.278
Mullite	1.264604811	0.402985075	0.089
Tantalum Carbide	2.611683849	0.373134328	2
Cordierite	1.010309278	0.149253731	0.0139
a-SiC	1.87628866	0.328358209	2.5
Fused Silica (glass)	1.178694158	0.041044776	0.0144

Titanium Nitride	2.027491409	0.694029851	0.278
Forsterite	1.298969072	0.73880597	0.055
TiC	2.10652921	0.447761194	1.222
Calcium Fluoride	0.978006873	1.395522388	0.108
Steatite	1.099656357	0.559701493	0.036666667
Soda-lime glass	0.714776632	0.671641791	0.011111111
Borosilicate glass	0.563573883	0.298507463	0.013333333
Brick	0.740206186	0.373134328	0.006666667
Concrete	0.740206186	0.970149254	0.008888889