



A MEMS Clearinghouse® and Information portal
for the MEMS and Nanotechnology community

[Register](#)

[Sign-In](#)

[MEMSnet Home](#)

[About Us](#)

[What is MEMS?](#)

[Beginner's Guide](#)

[Discussion Groups](#)

[Advertise Here](#)

Material: Stainless steel, bulk

To purchase MEMS-related materials, supplies, equipment, wafers, etc., please visit the [links section](#) of the MEMSNet site.

Property	Value	Conditions	Reference
Density	7900 kg/m ³	Used in silicon integrated circuits.	Proceedings of IEEE, Vol 70, No.5, May 1982, p.421
Hardness, Knoop(KH)	660 kg/mm ²	Used in silicon integrated circuits.	Proceedings of IEEE, Vol 70, No.5, May 1982, p.421
Thermal conductivity	32.9 W/m/K	Used in silicon integrated circuits.	Proceedings of IEEE, Vol 70, No.5, May 1982, p.421
Yield strength	2.1 GPa	Used in silicon integrated circuits.	Proceedings of IEEE, Vol 70, No.5, May 1982, p.421
Young's Modulus	200 GPa	Used in silicon integrated circuits.	Proceedings of IEEE, Vol 70, No.5, May 1982, p.421

[Terms of Use](#) | [Contact Us](#) | [Search](#)