

Si (Silicon) Datasheet

Physical Properties:

Mechanical Properties*:

	Units	Value
Mohs Hardness	--	7
Density	(g/cm ³)	2.3
Young's Modulus	(Gpa) [100]	129.5
Poisson Ration		0.22 to 0.28

*Please note that these are typical properties and may vary.

Thermal Properties*:

	Units	Value
Thermal Conductivity [300K]	W / (m x K)	148
Thermal Expansion, linear	°C ⁻¹	2.6·10 ⁻⁶
Melting point	°C	1414
Specific Heat	J / (g x °C)	0.7

*Please note that these are typical properties and may vary.

Advanced Chamber Solutions (ACS)

8902 E. Via Linda

Suite 110 Scottsdale, Arizona 85258

Tel: [814.880.0837](tel:814.880.0837) | Email: info@advancedchambersolutions.com