

FUSED SILICA
HOT PRESS PLATENS
CASTABLE CERAMICS
FIRED SHAPES
AEROSPACE TOOLING

Foundry Service & Supplies, Inc.

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HI-TEMP INSULATIONS
CALCIUM SILICATE BOARDS
MILLBOARD AND BLANKET
PAPERS AND CEMENTS
CUTTING AND FABRICATING

L-3 Steatite Technical Data

Property*	Units	L-3 Steatite (DC9)
Density	#/In ³	.094
Specific Gravity	g/cc	2.6
Hardness	Mohs' Scale	7.5
Water Absorption	%	0-.02 (impervious)
Color		Off-White
Flexural Strength	1000 PSI	18
Compressive Strength	1000 PSI	80
Tensile Strength	1000 PSI	8.5
Coefficient of Thermal Expansion	Per °C	8.0 x 10 ⁻⁶
Resistance to Impact	In.-Lb.	5
Safe Operating Temperature	°F °C	1832 1000
Thermal Conductivity (k)	W/M-°C BTU-In./Hr.-ft ² -°F	3.4 23.6
Te Value	°F °C	1562 850
Dielectric Strength	Volts/mil	230
Dielectric Constant	At 1 Megacycle/Sec.	5.5
Power Factor	At 1 Megacycle/Sec.	.005
Loss Factor	At 1 Megacycle/Sec.	.028

* The Steatite properties listed represent typical average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Check with your supplier to assure current information.