



K I N T E K F U R N A C E

T h e r m a l E l e m e n t s

Contact us for high temperature gas furnaces,

KINTEK FURNACE

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CVD/PECVD



MoSi₂

: KT - MH



1800 °C

MoSi₂

(g / c m ³)	(MP a)	(G P a)	(MP a)	(%)	(%)
6.0 ± 0.1	500	12	1500	0.2%	4

	T1700	T1800	T1850	T1900
	1700	1800	1830	1850
N ₂	1600	1700	1700	1700
Ar, He (,)	1600	1700	1700	1700
(- 80)	1150	1150	1150	1150
(- 20)	1450	1450	1450	1450
(: 10% CO ₂ , 50% CO, 15% H ₂)	1600	1700	1700	1700
(: 40% CO ₂ , 20% CO)	1400	1450	1450	1450
	1400	1450	1450	1450

D1	D2	Le		A ()
3 mm	6 mm	80 - 300mm	80 - 500mm	25 mm
4 mm	9 mm	80 - 350mm	80 - 500mm	25 mm
6 mm	12 mm	80 - 800mm	80 - 1000mm	25 - 60mm
7 mm	12 mm	80 - 800mm	80 - 1000mm	25 - 60mm
9 mm	18 mm	100 - 1200mm	100 - 2500mm	40 - 80mm
12 mm	24 mm	100 - 1500mm	100 - 1500mm	40 - 100mm

SiC

: KT-SH



600 ~ 1600 °C

SiC

OD	HZ	CZ	OL	
8 mm	100 - 300 mm	60 - 200 mm	240 - 700 mm	2.1 - 8.6
12 mm	100 - 400 mm	100 - 350 mm	300 - 1100 mm	0.8 - 5.8
14 mm	100 - 500 mm	150 - 350 mm	400 - 1200	0.7 - 5.6
16 mm	200 - 600 mm	200 - 350 mm	600 - 1300	0.7 - 4.4
18 mm	200 - 800 mm	200 - 400 mm	600 - 1600	0.7 - 5.8
20 mm	200 - 800 mm	250 - 600 mm	700 - 2000 mm	0.6 - 6.0
25 mm	200 - 1200 mm	250 - 700 mm	700 - 2600 mm	0.4 - 5.0
30 mm	300 - 2000 mm	250 - 800 mm	800 - 3600 mm	0.4 - 4.0
35 mm	400 - 2000 mm	250 - 800 mm	900 - 3600 mm	0.5 - 3.6
40 mm	500 - 2700 mm	250 - 800 mm	1000 - 4300 mm	0.5 - 3.4
45 mm	500 - 3000 mm	250 - 750 mm	1000 - 4500 mm	0.3 - 3.0
50 mm	600 - 2500 mm	300 - 750 mm	1200 - 4000 mm	0.3 - 2.5
54 mm	600 - 2500 mm	300 - 750 mm	1200 - 4000 mm	0.3 - 3.0

2.5 g / cm³

23%

14 - 19 W / m - K (1000 ° C)

50 MPa (25 ° C)

1.0 kJ / kg - K (25 ~ 1300 ° C)

4.5 × 10⁻ / K



K i n t e k F u r n a c e

W h a t s A p p

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