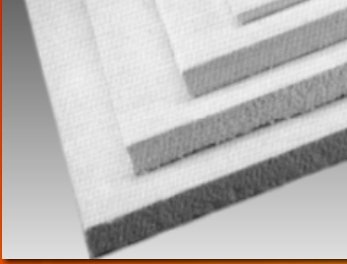


Ceramic Felt



Properties

Ceramic felts are lightweight, flexible board-like produced from ceramic fibers with organic binder, and give it the flexible characteristics suggested by the product name. The felts are ideal for use in applications where it is physically supported by other materials. The binder burn out at 200-300°C. These products are recommended for a wide range of high temperature industrial applications such as expansion joints in kilns, furnaces, and high-temperature gaskets. Felts offer excellent resistance to penetration from molten metals, both ferrous and nonferrous, ideal for ingot stool seals, stopper rod gaskets, and gaskets for aluminum billet casting etc.

Physical Properties

	LT-1100	RT-1260	HP-1260	MZ-1400	CZ-1430	CC-1500
Color	Ten	White	White	White	White	Blue / Green
Density (Kg/m ³)	120-220	120-220	120-220	120-220	120-220	120-220
Max.Temp. (°C)	1100	1260	1300	1400	1430	1500
Melting Point (°C)	1700	1760	1800	1740	1740	1760
Liner Shrinkage (24hr%)	3(1100°C'de)	3(1200°C'de)	3(1300°C'de)	3(1350°C'de)	3(1400°C'de)	3(1450°C'de)
Loss on ignition (%)	3-9	3-9	3-9	3-9	3-9	3-9
Thermal conductivity (W/m.K)	400°C	0.08	-	-	-	-
	600°C	0.13	0.13	-	-	-
	800°C	0.17	0.16	0.16	0.16	0.16
	1000°C	-	0.22	0.22	0.22	0.22
	1200°C	-	-	0.27	0.27	0.27

Chemical Analysis

Al ₂ O ₃	43	46	49	40	33	43
SiO ₂	54	52	50	49	49	54
ZrO ₂	-	-	-	10	17	-
Cr ₂ O ₃	-	-	-	-	-	3
TiO ₂	1.0	0.5	0.2	-	-	-
Fe ₂ O ₃	1.0	0.3	0.1	0.1	0.1	-
Na ₂ O+K ₂ O	0.5	0.3	0.3	0.3	0.2	0.2

Advantage

- High temperature stability
- Low thermal conductivity
- Low heat storage
- Good sound absorption
- Excellent corrosion resistance
- Thermal shock resistance
- Easy to cut or shape.

Availability

- 900 x 600 x 15-50 mm, 1000 x 610 x 15-50 mm
- Other densities and sizes available upon request.

Chemical Analysis

- High temperature gasket
- Refractory brick backup insulation
- High temperature expansion joints
- Launder backup insulation
- Thermal and electrical insulation
- Molten metals resistant insulation
- All sectors of industrial activity, Do-it yourself.