NIT 900422258-9

CARBOLANNE

INSULATION TECHNOLOGY

Description

Ceramic Fiber Paper is made from ceramic fibers bonded with a low percentage of organic binder; it has excellent thermal insulation properties and good handling characteristics.

Features

- ◆Good resistance to tearing
- ◆Low thermal conductivity and heat storage
- ◆Thin, even density and precise thickness
- ◆Excellent flexibility
- ◆Absorb sound
- ◆Easily die cut to form complex shapes
- ◆Excellent tensile strength
- ◆Lightweight
- ◆Excellent stability and shrinkage

Typical Application

- ● Insulating gaskets and packing material
- ● Expansion joints material
- ● Boiler door seal
- ● Glass-making models and microcrystal glass and glass furnace
- ● Furnaces backup insulation
- ● Insulating for and electrical switch box fire protection
- ● Insulating material for electric-heating devices and apparatus
- ● Molten metal gaskets
- ● Acoustic and Thermal insulation for vehicles

Technical Data

Grade			1000Paper	1260 Paper	1350 Paper	1600 Paper
Classification Temperature		°C	1000	1260	1350	1600
Continuous working Temperature		°C	800	1000	1200	1538
Chemical Composition	Al_2O_3	%	44	47	52	95
	SiO_2	%	54	51	45	5
Density		kg/m^3	180			
Thermal Conductivity W/(m. K)	400	°C	(0.10)	(0.08)	(0.07)	
	600	°C	(0.15)	(0.12)	(0.10)	(0.08)
	800	°C	(0.20)	(0.19)	(0.16)	(0.11)
	1000	°C				(0.17)
Linear Shrinkage(°Cx24H)		%	1000°C---3	1000°C---3	1200°C---2.5	1500°C---2
Tensile Strength		Mpa	0.5	0.65	0.6	0.2
Standard Size		mm	Length x Width x Thickness			
			80000 x 600 x 0.5 ; 40000 x 600 x 1 ; 20000 x 600 x 2 ; 10000 x 600 x 3, 10000 x 600 x 4 ; 10000 x 600 x 5 ; 10000 x 600 x 6			