

Calcium Silicate Products

硅酸钙制品



No.14 Energy Industry 能源 Oil/Gas 石油天然气 | Solar Energy 太阳能 | Lithium Battery 锂电池 | Chemical Industry 化工 | Mining 采矿

Asbestos free micropore Calcium Silicate is the white horniness heat insulation material. It is with properties of light bulk density, high strength, low thermal conductivity, high temperature resistance, eroding resistance, innocuity, odorless, flame resisting, high mechanical strength, easily cut. It is widely used in the heat insulation, fireproof and sound insulation for the equipment, pipe and wall in electric power, metallurgy, petrochemical, building and ship industries. Special design of the specification of the products is available.

Production: use the SiO₂ powder, CaO and the fiber reinforcing material, auxiliary and water through mix, mill, mould, heating, and drying.

无石棉微孔硅酸钙是一种白色硬质保温材料，具有容重轻、强度高、导热系数小、耐高温、耐腐蚀、无毒无臭难燃、机械强度高、可任意切割等特点，被广泛应用于电力、冶金、石化、建筑、船舶等领域的设备管道、墙体屋面的保温隔热和防火隔音。可根据实际需要定制特殊规格产品。

生产工艺：将二氧化硅粉状材料、氧化钙、纤维增强材料、少量助剂以及大量的水经合理的配料、搅拌、成型、加热、蒸养、干燥等工序加工制成。

Technical Parameters 技术指标 (refer to GB/T10699-1998)

Items 项目	Model 型号	Unit	CS170	CS220	CS240	HCS170	HCS220	HCS270
Bulk density 密度		Kg/m ³	170	220	240	170	220	270
Moisture % 质量含湿率 ≤		%	7.5	7.5	7.5	7.5	7.5	7.5
Compressive Strength 抗压强度 ≥		MPa	0.40	0.50	0.50	0.40	0.50	0.60
Rupture Strength 抗折强度 ≥		MPa	0.20	0.30	0.30	0.20	0.30	0.30
Thermal Conductivity 热导率		W/(m.k)	0.058	0.062	0.062	0.048+ 0.00011T	0.050+ 0.00011T	0.056+ 0.00011T
Max. Working Temp. 最高工作温度		°C	650	650	650	1000	1050	1050
Linear Shrinkage1000°Cx3h 线收缩率≤		%	2	2	2	1.50	1.50	1.50

