

Ht Calcium Silicate



Properties

Calcium silicate an insulation materials molded by reacting calcium silicate powder react with high-pressure heat, and mixing it with inorganic fiber. It is a non-asbestos, high performance insulating material designed to provide excellent thermal and heat resistance insulation of heated piping systems, equipments, process vessels used in power stations, petrochemical plants, petroleum refineries, heat distributing systems and other process industries.

Physical Properties

| | | | |
|--------------------------|-------------------|-------|------|
| Max. Service Temperature | °C | 650 | 1050 |
| Density | kg/m ³ | 220 | 220 |
| Flexural Strength | ASTSM C203 Mpa | 0.4 | 0.4 |
| Compressive Strength | ASTSM C165 Mpa | 0.6 | 0.6 |
| Liner Shrinkage | ASTSM C365 % | <2 | <2 |
| Thermal Conductivity | W/m.K | | |
| | 50°C | 0.057 | |
| | 100°C | 0.059 | |
| | 150°C | 0.065 | |
| | 200°C | 0.071 | |
| | 250°C | 0.078 | |
| | 300°C | 0.085 | 0.09 |
| | 400°C | 0.098 | 0.11 |
| | 600°C | | 0.14 |
| | 800°C | | 0.18 |

Usability

| Width x Length | 600 X 300 mm | | | | | | | | |
|-------------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Thickness | 25 mm | 30 mm | 40 mm | 50 mm | 60 mm | 65 mm | 75 mm | 80 mm | 90 mm |
| Piece x Cardboard | 21 | 17 | 13 | 10 | 8 | 8 | 7 | 6 | 6 |

Advantages

- High insulating effect
- Fast, easy installation
- Low bulk density
- Low assembly costs
- Reuseable after maintenance

*Bu bilgiler, de i ebilen tipik özellikleri temsil etmektedir ve spesifikasyon amacıyla kullanılmamalıdır.
This data represents typical properties subject to variations and should not to be used for specification purposes.*