

Chosun Refractories CH-2 Hard Fireclay brick

Category : Ceramic

Material Notes:

Information provided by Chosun Refractories via Korea Institute of Ceramic Engineering and Technology (KICET).

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chosun-Refractories-CH-2-Hard-Fireclay-brick.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|---------------------------|----------|
| Bulk Density | 2.23 g/cc | 0.0806 lb/in ³ | |
| Porosity | 17 % | 17 % | |

| Mechanical Properties | Metric | English | Comments |
|-----------------------|----------|----------|------------------------|
| Compressive Strength | 39.2 MPa | 5690 psi | Cold Crushing Strength |

| Thermal Properties | Metric | English | Comments |
|--------------------|---|--|----------|
| CTE, linear | 5.80 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$ | 3.22 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$ | |
| | @Temperature 1000 $^\circ\text{C}$ | @Temperature 1830 $^\circ\text{F}$ | |
| Shrinkage | -0.200 - 0.20 % | -0.200 - 0.20 % | |
| | @Temperature 1350 $^\circ\text{C}$, Time 7200 sec | @Temperature 2460 $^\circ\text{F}$, Time 2.00 hour | |

| Component Elements Properties | Metric | English | Comments |
|--------------------------------|--------|---------|----------|
| Al ₂ O ₃ | 38 % | 38 % | |
| Fe ₂ O ₃ | 1.7 % | 1.7 % | |

| Descriptive Properties | Value | Comments |
|------------------------------------|------------------------------|----------|
| Quality | Anti-abrasion, Anti-spalling | |
| Refractories Under Load(2kg/?,T2?) | 1,350 | |
| Refractoriness (SK) | 33 | |

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