Ceramic Hexagonal Mat

Chemshun® alumina ceramic Hexagonal Mat, square mosaic ceramic sheet as an excellent wear resistance materials and easy fixing method are popular in market.

Detailed chemshun lining sheet Info:
> Model NO.:Alumina mosaic ceramic tile sheet
> Classification:Alumina
> Grade Standard:Industrial Grade
> Quality:First Class
> Item:Alumina Ceramic Hex./square Tile on Nylon Mat/Silk Mat/Paper Mat.
> Materials:92% Al2O3 or 95% Al2O3
> Density:3.60 or 3.68
> Moh’s:9 scale
> Industry:Mining, Steel Plant, Power Plant,etc
> Facility:Hopper, Bunker,Stacker,Chute,Pipe, Pulley lagging
> Application:Wear Resistant
> OEM/ODM:Acceptable
> Sample:Available
> Export Markets:Global
> Trademark:Chemshun
> Packing:Paper Carton + Pallet
> Standard:150x150mm, 300x300mm, 500x500mm

Features:
- High hardness:
  Its rockwell hardness is HRA80-90 and the Moh’s hardness is up to 9 grade with is only less than diamond. And its abrasion-resistant is more better than steel and stainless steel;

- Superior Abrasion-resistance
  Its abrasion-resistance is 171.5times of Chrome steel and 260 times of manganese steel materials and as per our customers’ feedback, it could prolong the use life of equipment for more than 10years under same working conditions.

- Light weight
  Its density is 3.6-3.75g/cm3, it is only half weight of steel, and could reduce the load on equipment.
Product display:

Alumina ceramics Hexagonal tile

Alumina ceramics Square tile

Ceramic Size:

<table>
<thead>
<tr>
<th>hexagonal tile</th>
<th>S12xT3mm, S12xT6mm, S12xT12mm, S12xT20mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Square tile</td>
<td>10x10x2mm, 10x10x3mm, 10x10x4mm, 10x10x8mm, 17.5x3~10mm, 20x20x4mm, 20x20x5mm, 20x20x6mm, 20x20x8mm, 20x20x10mm</td>
</tr>
<tr>
<td>Mat Size</td>
<td>150X150mm, 300x300mm, 500x500mm</td>
</tr>
</tbody>
</table>
Product Description:

Ceramic Hexagonal Tile Mat

Alumina square mosaic sheet

Hexagonal ceramic sheet

Raw Material:
The wear resistance alumina ceramic products are made from the high purity, super fine and single narrow particle high-quality grain alumina powder, which is spray-dried processing, formed by cold isostatic pressing, firing on 1520 °C~1650 °C temperature. Subject to Al2O3 content difference, we have 92%, 95%, abrasion resistance ceramics.
**Application:**

- Used to construct ceramic rubber plate as wear-and-impact-resistant lining.
- Used as Alumin ceramic materials on the industries of chemical, mining, metallurgical, cement etc. Directly fixing on the equipment, easy control and application.
- Used as component of ceramic bearing.
- Used for pulley lagging
- Used for conveying engineering in mining industry

<table>
<thead>
<tr>
<th>Available Size:</th>
</tr>
</thead>
</table>

**Pingxiang Chemshun Ceramics Co., Ltd**

Address: Non-metal area of shanglinyuan. Economic developmentzone, pingxiang city, Jiangxi province, P.R.China.
Website: www.chemshun.com  www.chemshun-es.com
Tile: S12xT3mm, S12xT6mm, S12xT12mm, S12xT20mm. Square tile 10x10x2mm, 10x10x3mm, 10x10x4mm, 10x10x8mm, 17.5x17.5x3~10mm. 20x20x4mm, 20x20x5mm, 20x20x6mm, 20x20x8mm, 20x20x10mm.

Nylon Net /sick back /paper back Size: 150x150mm, 300x300mm, 500x500 etc.

Other size could also provided according to the customer's requirement.

Markets:
> Our markets: China mainland & Taiwan, India, Indonesia, Korea, Vietnam, Malaysia, South Africa, Chile, Peru, Argentina, Brazil, Australia, America, Canada, Germany, Denmark, England, etc.

chemshun ceramics service:
> Providing best products with competitive price on time, All products are 100% tested before the shipment. And also accept customer's inspections or the third-party inspection
> Providing the design according to the customer’s engineering
> Providing good services in shipment with more than 12years rich experiences.

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Attributes</th>
<th>Unit</th>
<th>CHEMSHUN92</th>
<th>CHEMSHUN95</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Al2O3 Content</td>
<td>%</td>
<td>92</td>
<td>95</td>
</tr>
<tr>
<td>2</td>
<td>Density</td>
<td>g/cc</td>
<td>3.60</td>
<td>3.68</td>
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<tr>
<td>3</td>
<td>Color</td>
<td></td>
<td>White</td>
<td>Pale Ivory</td>
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<tr>
<td>4</td>
<td>Water Absorption</td>
<td>%</td>
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<td>0</td>
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<tr>
<td>5</td>
<td>Flexural Strength</td>
<td>Mpa</td>
<td>280</td>
<td>300</td>
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<tr>
<td>6</td>
<td>Moh's Density</td>
<td>Grade</td>
<td>9</td>
<td>9</td>
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<tr>
<td>7</td>
<td>Rock Well Hardness</td>
<td>HRA</td>
<td>80</td>
<td>86</td>
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<tr>
<td>8</td>
<td>Vickers Hardness(HV10)</td>
<td>Kg/mm2</td>
<td>1050</td>
<td>1190-1220</td>
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<tr>
<td>9</td>
<td>Compressive strength</td>
<td>Mpa</td>
<td>850</td>
<td>950-1000</td>
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<tr>
<td>10</td>
<td>Thermal Expansion Coefficient (25-1000 °C)</td>
<td>1x10^-6/ °C</td>
<td>7.6</td>
<td>8.3</td>
</tr>
<tr>
<td>11</td>
<td>Maximum operation temperature</td>
<td>°C</td>
<td>1250</td>
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</table>