



Alumina Ceramic Tiles

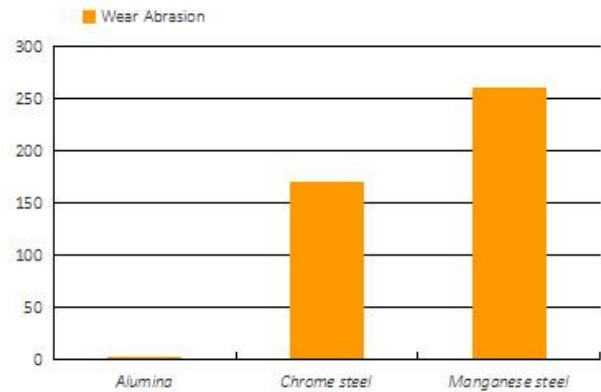
Chemshun Alumina Ceramic Tiles

wear resistant liner are widely used in mining ,coal ,steel etc.industries conveying& storage system.can effectively Protect industry equipment from abrasion damage and reduce maintenance cost and down-time ,prolong the service life of the equipments.Chemshun standard alumina tiles including:ceramic plain tile, alumina welded tile,taper tile liner, trapezoidal tile , curved tile ect .which easily fixed and installed By end users.



Chemshun Ceramics Advantage

- Tailor Made Engineered Ceramics Available
- Accept OEM & ODM Wear Engineered Ceramics And Project
- Provide Professional Industrial Wear Consult And Solution
- Accept Small & Big Quantity Orders
- 100% Delivery fast



Abrasive Material Comparison

170 times of chrome steel and 260 times of manganese steel materials

| Properties | Unit | Value | | |
|--|-----------|------------------------|---------------------|---------------------|
| | | 92% AL2O3 | 95% AL2O3 | |
| Alumina (AL2O3) Content | % | 92 | 95 | |
| Color | - | White | Ivory | |
| Density | g/cm3 | 3.60 | 3.68 | |
| Porosity | - | 0 | 0 | |
| Water Absorption | % | 0 | 0 | |
| Moh Hardness | Scale | 9 | 9 | |
| Vickers Hardness | HV10 | Kg/mm2 | 1030 | 1125 |
| Rock Well Hardness | R45N | | 75 | 78 |
| Fracture Toughness | K(Ic) | Mpa m ^{1/2} | 3-4 | 3-4 |
| Compressive Strength | 20°C | Mpa | 1500 | 1650 |
| Young's Modulus | 20°C | kg/cm2 | 2.7x10 ⁵ | 2.7x10 ⁵ |
| Flexural Strength | 20°C | Mpa | 270 | 320 |
| Co-efficient of Linear Thermal Expansion | 20-1000°C | 1x10 ⁻⁵ /°C | 7.6 | 8.0 |
| Thermal Shock Resistance | ΔTc | °C | 250 | 170 |
| Thermal Conductivity | 20°C | W/m K | 18 | 22 |
| Max.Use Temperature | °C | | 1250 | 1450 |