



## Alumina Ceramic Tiles

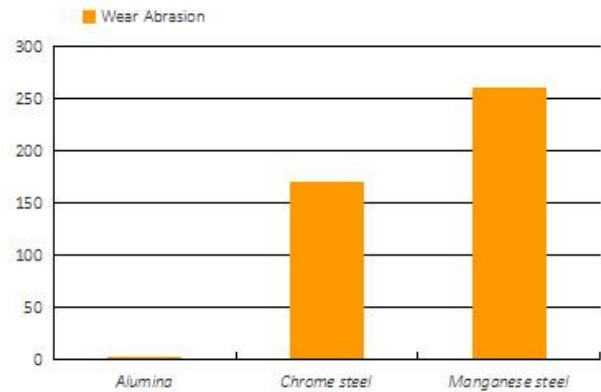
### Chemshun Alumina Ceramic Tiles

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 <sup>1/2</sup>	3-4	3-4
Compressive Strength	20°C Mpa	1500	1650
Young's Modulus	20°C kg/cm2	2.7x10 <sup>5</sup>	2.7x10 <sup>5</sup>
Flexural Strength	20°C Mpa	270	320
Co-efficient of Linear Thermal Expansion	20-1000°C 1x10 <sup>-6</sup> /°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