



AMI[®] Ceramic Roller

With good thermal shock resistance and high bending strength, AMI[®] Ceramic Roller are suitable for roller kiln in tile production, or act as support pipe and brace in electric furnace.

Model: S200, S400, S600

Dimension: Dia.16-120mm, length up to 4800mm, square beam & profiled roll are available.

Package: Wooden Case



Parameters of AMI[®] Ceramic Roller

	Item	S200	S400	S600
Properties	Bulk Density (g/cm ³)	≥2.4	≥2.5	≥2.55
	Apparent Porosity (%)	22-24	16-20	12-16
	Water Absorption %	9—11	8—9	7—8
	Bending Strength(Mpa) (R.T.)	40-45	50-55	55-60
	Coefficient of Thermal Expansion (x10 ⁻⁶ /°C)	5.7	5.6	5.5
	Thermal Shock Resistance	Excellent	Very good	Good
	Working Temperature (°C)	1250	1300	1350
	Modulus of Elasticity(Gpa)	≥110	≥110	≥120
	Refractoriness (°C)	≥1700	≥1720	≥1750
	Composition	Al ₂ O ₃ + ZrO ₂ (%)	76-78	78-80
Al ₂ O ₃ (%)		70-72	74-76	75-77
SiO ₂ (%)		22-24	20-22	18-20
Fe ₂ O ₃ (%)		≤0.3	≤0.25	≤0.25
Application	Glazed Wall/Floor Tile	▲	▲	
	Rustic Tile	▲	▲	▲
	Porcelain Tile		▲	▲
	Tableware		▲	▲
	Ferromagnetic Materials			▲
	Advanced Ceramics			▲
	Microcrystalline Tile		▲	▲

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