

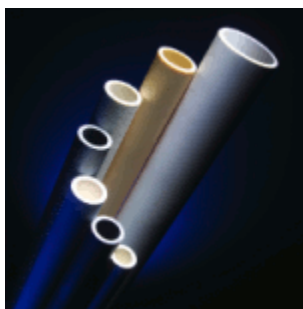
Sillimantin Rollers

The Sillimantin roller series have outstanding high temperature, outstanding chemical resistance and excellent resistance to temperature changes.

Haldenwanger is one of the first manufacturers who successfully apply ceramic rollers into roller kiln and mainly provides products and solutions for kilns which need to improve product yield and tiles planeness. Our ceramic rollers can be widely used in the roller kiln to produce architectural ceramic, tableware, magnetic material and so on.

Properties

- Excellent High Temperature Strength
- Excellent Thermal Shock Resistance
- Outstanding Eroding Resistance
- Consistent Roller Quality



SM 60 First choice for manufacturing of glazed wall tiles

SM 65 One outstanding option for producers of floor tiles and vitrified tiles

SM 90 Smart choice for firing of large format porcelain, tableware and stoneware tiles

	Unit	SM100	SM90	SM70	SM65	SM60
Al ₂ O ₃ Content	%	76-78	75-77	79-81	78-80	77-78
Density	g/cm ³	2.7-2.9	2.6-2.7	2.6-2.7	2.5-2.6	2.4-2.5
Water Absorption	%	5-7	6-7	7-8	8-9	9-10
RT Flexural Strength	MPa	65-75	60-65	55-60	50-55	45-50
Thermal Expansion (20 - 1000°C)	10 ⁻⁶ /°C	6	6	6	6	6
Modulus of Elasticity	GPa	95	90	85	80	70
Maximum Use Temperature	°C	1350	1350	1350	1300	1300
Thermal Shock Resistance		Good	Good	Good	Good	Good