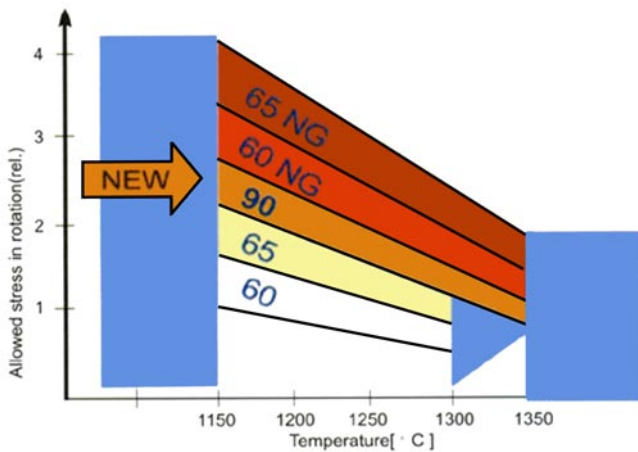


CERAMIC ROLLERS



Morgan Technical Ceramics is a leading supplier of customer specific, applications-engineered, industrial products manufactured from advanced materials including structural ceramic, electro-ceramic and precious metals.

Morgan Technical Ceramics Haldenwanger specialises in the manufacture of custom made tubes, rollers and kiln furniture for the Thermal Processing Industry. We also manufacture porcelain laboratory ware and plates for ballistic protection.

The benefits of Sillimantin rollers include:

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

Main applications:

- SM 90 - Higher application temperature, higher loading ability, employed in large size porcelain tiles, floor tiles and daily ceramic parts production. Excellent thermal shock and eroding resistance stability, applied in glaze tile production and protects the eroding of the glaze and extends the rollers life.
- SM 100 - Higher strength than SM90, excellent thermal shock resistance. Especially it is the firts choice for the wide-body kilns and the firing of heavy products.

Alcora Delegation – Main Office
Road Castellón – Alcora, Km. 20,
12110 Alcora (Castellon),
Tel.: +34 964 362 169

Onda delegation
C/Cantabria nº18,
Poligono industrial El colador,
12200 Onda (Castellón),
Tel: +34 964819981-607498146

Paterna delegation
C/ Manyá nº34 Nave 13
Parque Empresarial Táctica
46988 Paterna (Valencia),
Tel: +34 961 344 782

Argelia delegation
Cit  Madina el Djadida n  25,
Dar El Beida-Wilaya D´Alger
(Algeria),
Tel: +213 21 50 88 85

Main physical and chemical properties of the ceramic roller

	Unit	SM90	SM100
Al ₂ O ₃ content	%	75-77	76-78
Density	g/cm ³	2.6-2.7	2.7-2.9
Water absorption	%	6-7	5-7
Flexural strength	Mpa	60-70	65-75
Thermal expansion (20-1000°C)	l/K	6x10 ⁻⁶	6x10 ⁻⁶
Young's modulus of elasticity	Gpa	95	95
Maximum temperature	°C	1350	1350
Thermal stock resistance		Very good	Very good

This is not a product specification but lab test data for reference only. The actual data may vary due to different sizes and conditions.