



Uniceram Advanced Materials, Inc.

.....A provider of quality ceramic products.....





Uniceram Advanced Materials, Inc.

Company Introduction

Allow us to introduce our company, Uniceram Advanced Materials, Inc. a provider of quality ceramic products.

We have a wide array of products that serve a broad spectrum of industrial applications. Our products, typically, may be classified to four categories on basis of their end use:

- Insulators
- Wear Resistant Parts
- Porous Filters
- Refractory Products

Our core ability is the ability to customize and innovate. With the backing of the solid experience of our product development team, we are in a position to manufacture products as per our customer's pricing and technical requirements. For us, component geometry is not a restriction. As we say, if you can draw it, we CAN make it.

Uniceram Advanced Materials has dedicated manufacturing units at two locations around the world. Both these locations are ISO 9001 certified. Our expertise in supply chain management enables us to have the optimum quality at the optimum price.

We have been in this field for more than 25 years and have developed the technology indigenously, so have total mastery over managing the efficiency of the applications. We believe in adding competitive advantage to the client by enhancing the operational effectiveness of their processes.

Uniceram Advanced Materials is a quality conscious organization: All our vendors are ISO9001 Certified for their quality assurance in design, development, production and delivery. This shows our commitment to quality. We believe in setting very high standards to exceed the expectations of our customers.

If you have any queries about our products or need more information, feel free to contact us.

We look forward to having a long and a mutually beneficial business relationship with you. Count on us to deliver the best, always!

Thanks,

The Uniceram Team

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Our Product Range:

+ **Wear Resistant Parts-**

- Textile and Wire Drawing guides
- Mechanical and Chemical Seals
- Alumina Grinding Media
- Yttria Stabilized Zirconia Microgrinding Media and Structural Ceramics
- Ceramic Coatings

+ **Insulators-**

- Resistor Casing
- Fuse Bodies
- Ignitors
- Heat Resistant Interlocking Beads

+ **Porous Filters-**

- Honey Comb Filters
- Acid Filters
- Vaporization wicks

+ **Refractory Materials-**

- Crucibles
- Ferrules
- Thermocouple Sheaths and other labware.
- Coil Supports
- Infra-Red Heaters
- Assay Testing Ceramics
- Ceramic Rollers for Tile Industry
- Refractory products for Steel, Iron, Glass and Cement Industry
- Water Ground Mica



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Product Introduction: Ceramic Rollers



UNI-ROLL is a new product of Uniceram Advanced Materials, Inc. It is different from the current rapid cooling zone rollers as it combines bigger and smaller teeth; with each bigger one containing two smaller ones. This special structure enhances the thickness and the strength of UNI-ROLL cooling roller without increasing the intersection area; therefore it has excellent thermal shock resistance to withstand the temperature gap in the fast cooling zone of roller kiln. At the same time, this special designed appearance of UNI-ROLL cooling roller makes the movement of ceramic tiles smooth and stable on the ceramic rollers. It may also be used in a drying kiln.



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Specifications of Uniceram Ceramic Rollers

Properties	Factors	Roller Types			
		Uni-75A	Uni-75B	Uni-73	Uni-80
Physical Properties	Bulk Density (g/cm ³)	2.4	2.5	2.4	2.8
	Apparent Porosity (%)	25	25	20	15
	Water Absorption (%)	10	10	8.5	6.5
	Modulus of Rupture (MPa) At 25 °C	55	50	60	70
	At 1350 °C	35	30	50	60
	Thermal Expansion Coefficient (α) (/°C) At 25 °C	5.8	5.8	5.8	5.8
At 1000 °C	6.0	6.2	6.2	6.0	
	Max. Working Temp. (°C)	1200	1200	1300	1350
Chemical Composition	Al ₂ O ₃ (%)	75	75	73	80
	SiO ₂ (%)	21	21	22	15
	Fe ₂ O ₃ (%)	0.3	0.3	0.3	0.2
Tolerances	Diameter. (mm)	± 0.5			
	Length (mm)	± 0.3			
	Linearity (mm)	≤ 0.07% of the Length			
Size Range	Diameter Φ21-65mm Length up to 4800mm				

Please note that we can manufacture customized rollers as per customer's drawings.

For further details, please contact us at info@uniceramusa.com