



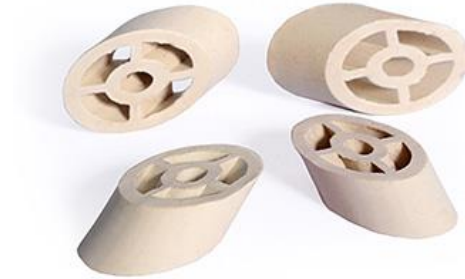
# Ceramic Cross Partition Double Rings

✉ [info@asenergi.eu.com](mailto:info@asenergi.eu.com)

🌐 [www.asenergi.eu.com](http://www.asenergi.eu.com)

## FEATURES

- High-performance packing
- Acid resistance > 99.6%
- High mechanical strength
- High available surface area
- Available sizes:  
2" (50 mm), 3" (80 mm),  
4" (100 mm), 5" (120 mm), 6" (150 mm)



Ceramic rings with cross partitions and inner ring have a large surface for better mass transfer efficiency.

## PHYSICAL PROPERTIES

Acid resistance	> 99.6%
Alkali resistance	> 85%
Water absorption	< 0.5%
Porosity	< 1%
Specific gravity	2.3–2.4 g/cm <sup>3</sup>
Moh's hardness	> 6.5 scale
Thermal resistance, number of heat shifts	> 8
Maximum operating temperature	920–1100°C

## CHEMICAL COMPOSITION

SiO <sub>2</sub> + Al <sub>2</sub> O <sub>3</sub>	> 92%
SiO <sub>2</sub>	> 76%
Al <sub>2</sub> O <sub>3</sub>	> 17%
Fe <sub>2</sub> O <sub>3</sub>	< 1%
CaO	< 1%
MgO	< 0.5%
K <sub>2</sub> O + Na <sub>2</sub> O	< 3.5%
Other	< 1%

## DIMENSIONS AND PACKING PROPERTIES

Nominal size	Sizes DxHxT, mm	Packing Density		Surface area		Free volume, %	Dry packing factor, m <sup>-1</sup>
		kg/m <sup>3</sup>	lb/ft <sup>3</sup>	m <sup>2</sup> /m <sup>3</sup>	ft <sup>2</sup> /ft <sup>3</sup>		
2" (50 mm)	50x50x5	600	38	145	44	50	565
3" (80 mm)	80x80x8	820	51	120	37	56	356
4" (100 mm)	100x100x10	850	53	110	34	53	252
5" (120 mm)	120x120x12	860	54	75	23	55	146
6" (150 mm)	150x150x15	980	61	60	18	58	101

**AS ENERGI GLOBAL LLC is interested in local partners and distributors for long-term cooperation.**

**We also ready to consider issues of manufacturing the ceramic products at our production facilities according to your requests and technical task.**

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