



HONEYCOMBS CERAMICS B.V.

RTO Ceramic Media

DATA SHEET OF HONEY TOP B-19



1. DESCRIPTION OF THE RINGS

HONEY TOP B-19: 19x10x3.5mm

2. Application to Industry

Catalyst covering material , Heat Transfer Media

3. PHYSICO-CHEMICAL PROPERTIES OF CERAMICS USED TO MANUFACTURE RINGS

<u>Chemical Composition</u>	<u>% by Weight</u>
SiO₂	~ 70
Al₂O₃	~ 23
Fe₂O₃	< 1
K₂O + Na₂O	< 5
Other	~ 1



Physical Properties

Specific Gravity	2.2 – 2.5
Porosity	~ 3%
Acid Resistance Strength Wt. Loss	< 1 %
Maximum Working Temperature	1100 °C
Surface area	380 m²/m³
Free volume	60%
Cold Crushing Strength	Vertical > 5000 N / piece Horizontal > 500 N / piece

4. DIMENSION AND DIMENSIONAL TOLERANCES

Size (mm)	Diameter (mm)	Length (mm)	Thickness (mm)
19	19 ± 2	10 ± 1.5	3.5 ± 0.5
Parallelism		< 1%	
Verticality		< 1 °	

5. WEIGHT VARIATION:

Size	19mm
Weight (Kg/m³)	950 ± 30



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6. Piece Number

19mm, 207000 pcs/m³

7. VISUAL INSPECTION

- ~ Cracks in rings: less than 1% per m³
- ~ Breakage rings: Cracked rings not to exceed 3% per m³
- ~ Color: Gray