CARBON RASCHIG RINGS

CARBONIZED TUBULAR TOWER PACKING RINGS

Carbon Raschig tubular rings are corrosion resistant, thermal shock resistant and stable at high temperatures.

The rings are used to create a randomly packed bed for many material processing functions, and provide a large surface interaction area for carbon and other materials being processed.

BENEFITS

- Low thermal expansion coefficient
- Resists severe shock damage
- Usable in most acid, alkali and solvent environments
- Lightweight
- High mechanical strength, no soluble bonds
- Can be used in chlorine-hydrochloric mixtures and phosphoric acid
- Carbonization eliminates extractable impurities

PHYSICAL PROPERTIES

Property	Value
Porosity	25%
Density–kg/cm³ (lb/ft³)	1450 (90.52)
Carbon Content	>99.5%
Ash Content	<0.5%
Diameter Length Tolerance–mm (in)	±3.175 (0.125)
Diameter Tolerance–mm (in)	±1.59 (0.06)
Maximum Temperature	400°C (752°F)

AVAILABILITY

Property	Value				
	P016-400941	P016-400942	P016-400943	P016-400944	P016-400945
Nominal Outer Diameter–mm (in)	19 (0.75)	25 (0.98)	38 (1.50)	51 (2.01)	76 (2.99)
Nominal Inner Diameter–mm (in)	12.70 (0.5)	19.10 (0.75)	25.40 (1.0)	38.40 (1.51)	60.30 (2.37)
Wall Thickness–mm (in)	4.24 (0.17)	3.48 (0.14)	6.35 (0.25)	7.14 (0.28)	8.63 (0.34)
Bulk Weight–kg/m³ (lb/ft³)	602 (37.58)	464 (28.97)	529 (33.02)	438 (27.34)	333 (20.79)
Surface Area–m²/m³ (lb²/lb³)	219 (66.75)	200 (60.96)	126 (38.40)	94 (28.65)	56 (17.07)
Free Space	61%	69%	66%	71%	78%
Number of Rings–Approximate Pieces per m³ (ft³)	74,161 (2100)	47,745 (1352)	13,349 (378)	6357 (180)	1413 (40)

Note: The physical and chemical properties listed represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice.

JAN 25-EN-808

Product Type: 140
Commodity Code: 26806, 27405