

Graphite (Carbon) Random Packing-R (Raschig) Ring Type

Introduction

Carbon raschig rings are tubular carbon elements designed to form a randomly packed bed, providing extensive surface area for efficient interaction between carbon and process materials. These rings are engineered to deliver exceptional chemical and thermal stability, making them ideal for a wide range of industrial applications where durability and performance are essential.

Applications

- Gas purification and scrubbing
- Distillation and absorption processes
- Water and wastewater treatment
- Use in chemical reactors and reactive absorption systems
- Handling aggressive media such as chlorine-hydrochloric mixtures and phosphoric acid

Features

- High thermal shock resistance and low coefficient of thermal expansion
- Excellent corrosion resistance in acids, alkalies, and most solvents (avoid highly oxidizing conditions)
- Lightweight yet mechanically strong, with no soluble binders
- Fully carbonized to eliminate extractable impurities
- Long service life with high-temperature operating capability

ESP R-Rings Specification

Size	Surface Area	Void Fraction	Quantity
inch	(m ² /m ³)	(%)	(Pcs./m ³)
3/4	244	67	110500
1	185	74	46150
1 1/2	124	67	14000
2	91	74	6000
3	62	78	1400



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