



HQ: No 120A, Jalan Bakawali 52, Taman Johor Jaya, 81100, Johor Bahru, Johor.

Phone: 012-711 8819 / 018-236 7662 **Fax:** 07-364 5819

Email: info@eccsb.com.my / ecc17info@gmail.com

BP Sales Office: No 13, Jalan Setia Jaya, Taman Setia Jaya, 83000, Batu Pahat, Johor.

Phone: 016-717 7662

Email: ecc17consultation@gmail.com

Official Website: www.eccsb.com.my

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PALL RING

Overview

Pall Ring, an enhancement on Raschig Ring, forms one of the most common random packing and is generally used in gas and liquid transfers. Its improved design saves up packing volume by increasing surface area, boosting the performance of packing.

Pall Ring's open-wall design and cross-link structure not only allows lower pressure drop with greater capacity, but also enhances the distribution of gas and liquid. This innovation renders high mass transfer efficiency and improves the rate of separation.



Common Applications

Various kinds of separation, absorption, distillation, stripping, scrubbing, environmental applications, etc.

Features

- Lower pressure drop
- High mass transfer efficiency
- High flux and low resistance
- High liquid holdup
Increases absorption efficiency
- High separation efficiency
- High operational flexibility
- Large production capacity
- High mechanical strength
Low breakage possibility
Suitable for use in deep packed beds
- Chemically resistant
- Temperature stability



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Performance Data

Model	PR16	PR25	PR38	PR50	PR90
Dimension (Ø x H x T) (mm)	16 x 16 x 1	25 x 25 x 1.2	38 x 38 x 1.4	50 x 50 x 1.5	90 x 90 x 1.7
Free Space (%)	87	90	91	92	95
Specific Surface Area (m ² /m ³)	320	207	128	102	59
Number per Unit Volume (no/m ³)	214,000	49,300	15,200	5,960	1,100
Packing Factor	320	180	107	82	52
Specific Weight (kg/m ³)					
PP	110	69	52	45	42
PVC	165	107	82	70	56
Colours Available					
Black ■	✓	✓	✓	✓	✓
Natural □ (Translucent white)	✓	✓	✓	✓	✓

*Data given is for reference only. Specifications may vary depending on process parameters.