

RANDOM PACKING (METAL)

TPT PACIFIC supplies the various type & size of random packing such as TP Ring, TC Ring, TI Ring, TR Ring, Saddle and Etc. Metal, Plastic, Ceramic and Carbon are available.

TC Ring

(Equivalent to Cascade Mini-Rings (CMR))

- Higher capacity and lower pressure drop
- Excellent mechanical strength
- Excellent for fouling service
- Low liquid hold-up



| TC Ring | | #1 | #1.25 | #1.5 | #2 | #2.5 | #3 | #4 | #5 |
|------------------|----------------------------------|------|-------|------|------|------|------|------|------|
| Specific Surface | m ² /m ³ | 250 | 212 | 188 | 144 | 126 | 103 | 74 | 49 |
| | ft ² /ft ³ | 76.2 | 64.5 | 57.3 | 43.9 | 38.5 | 31.4 | 22.6 | 14.9 |
| Void Fraction | % | 97 | 97 | 97 | 97 | 97 | 97 | 98 | 98 |

Available in non-metallic materials - P.P, PFA, C-PVC, PVDF and ETEF



TI Ring

(Equivalent to IMTP Ring)

- 40% lower Pressure drop compared with TP Ring(Pall Ring)
- High efficiency
- Geometry ensures low liquid hold-up and a great improvement in capacity compared to Pall Rings

| TI Ring | | #15 | #25 | #40 | #50 | #60 | #70 |
|------------------|----------------------------------|------|------|------|------|------|------|
| Specific Surface | m ² /m ³ | 253 | 207 | 151 | 98 | 85 | 66 |
| | ft ² /ft ³ | 77.1 | 63.1 | 46.0 | 29.9 | 25.9 | 20.1 |
| Void Fraction | % | 95 | 96.2 | 97.1 | 97.7 | 98 | 98.2 |

Available in non-metallic materials - P.P, PFA, C-PVC, PVDF and ETEF

RANDOM PACKING (METAL)

TP Ring

(Equivalent to Pall Rings)

- Higher capacity and lower pressure drop than TR Ring (Raschig rings).
- Greater than 90% void fraction for low liquid hold-up
- Good absorption efficiency with liquid residence time



| TP Ring | | 5/8" | 1" | 1.5" | 2" | 3.5" |
|------------------|----------------------------------|------|-----|------|-----|------|
| Specific Surface | m ² /m ³ | 341 | 207 | 128 | 102 | 75 |
| | ft ² /ft ³ | 104 | 63 | 39 | 31 | 23 |
| Void Fraction | % | 93 | 94 | 95 | 96 | 97 |

Available in non-metallic materials - P.P, PFA, C-PVC, PVDF and ETEF



TR Ring

(Equivalent to Raschig Ring)

| TR Ring | | 5/8" | 1" | 1.5" | 2" | 3.5" |
|------------------|----------------------------------|------|-----|------|-----|------|
| Specific Surface | m ² /m ³ | 341 | 207 | 128 | 102 | 75 |
| | ft ² /ft ³ | 104 | 63 | 39 | 31 | 23 |
| Void Fraction | % | 86 | 85 | 90 | 92 | 95 |

Available in non-metallic materials – carbon, ceramic and etc.

** Values are approximate and may not be consistent. Actual number depends on wall thickness and material.