

Tellerette - Plastic

This high surface area random packing has been around since 1960. The high surface area provides

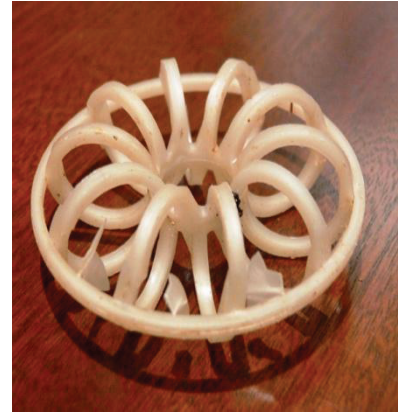
Excellent interstitial hold up points which enhances high mass transfer between the gas phase and liquid phase

Its unique shape with thin ribs operates at a low pressure drops especially at low liquid loads.

The Tellerette ring is ideal for gas scrubbers , particular with presence of dust particles since the ribs are continually wetted with the scrubbing liquid

Materials of Construction

PP (polypropylene), CPVC, LTHA polypropylene, and PVDF



Physical Data

Size (mm)	Bulk Density (kg/m ³)	Surface Area (m ² /m ³)	Voidage (%)	Packing Factor (m ⁻¹)
No 1	112	180	87	131
No 2	59	125	93	92
No 3	49	101	94	54

Packaging :

100 I HDPE sacks or larger sacks on request .

Bio Rings - Plastic

August 2010

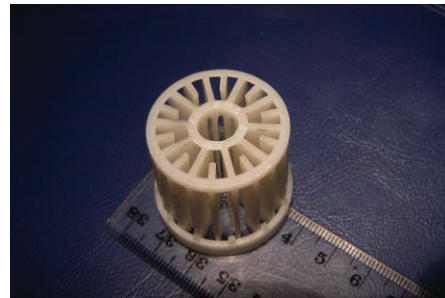
Bio Rings are specifically designed to provide a high surface area for micro-organisms to grow without being mechanical removed in compact digesters.

The bio rings can be packed as a fixed bed or fluidised arrangement enabling the bio film to feed at a large range of flows.

The bio ring can also be used as a mass transfer rings for gas scrubbers and much higher specific surface area than fixed beds for thin bio film growth, making them most suitable for processes with circulated carriers in a tank

Materials of Construction

Plastic (polypropylene)



Physical Data

Size (mm)	Surface Area (m ² /m ³)	Voidage (%)
30	386	85

Cascade Mini Rings (CMR)

- Plastic

December 2009

The CMR ring is the next generation of random packing to that of the Raschig Ring and Pall Ring. This packing with its unique design provides excellent gas and liquid distribution for good mass transfer at lower pressure drops.

This packing can be manufactured in various forms of thermoplastic materials in sizes to suit many applications.

The design of the CMR ring is dimensionally stable and operates at a low pressure drop with lower fouling susceptibility to those more complex random packings.

Plastic CMR's are cost effective for moderate temperature process and have high structural strength. Avoid high temperature applications and alkaline services due to leaking and foaming.



Materials of Construction

Polypropylene, CPVC, LTHA Polypropylene, Talc filled Polypropylene and PVDF.

Physical Data

Size	Bulk Density (kg/m ³)	Surface Area (m ² /m ³)	Voidage (%)	Packing Factor (m ⁻¹)
No 1	53	185	97	98
No 2	46	115	97	59
No 3	40	74	98	39

*Bulk density +/- 5% due to material thickness specifications

Intalox Super Saddles - Plastic

August 2010

Intalox super saddles are the improved version of the original saddles and are designed to give enhanced internal gas and liquid distribution.

The unique scalloped edge higher capacities, lower pressure drops and higher mass transfer rates compared to traditional saddles. They also serve to overcome the problem of nesting that is commonly encountered with ordinary saddles. Super intalox saddles are also available in ceramic materials and typically find their application in processes requiring high temperature and chemical attack resistance.

Materials of Construction

Plastic (polypropylene), CPVC, LTHA polypropylene, talc filled polypropylene and PVDF



Physical Data

Size (mm)	Bulk Density (kg/m ³)	Surface Area (m ² /m ³)	Voidage (%)	Packing Factor (m ⁻¹)
25	83	210	90	108
50	60	110	93	68.9
75	48	89	94	52.5

Pall Rings - Plastic

May 2014

The Pall Ring is a generic random packing which provides a satisfactory solution to most mass transfer applications, i.e. absorption, stripping, scrubbing, coalescing and biomass filtration. Product should be used at moderate temperatures (not exceeding 121°C). Alkaline services should be avoided as they may produce foaming.

This packing can be manufactured in various thermoplastics materials from 16mm to 90mm in size.

The design of the Pall ring is dimensionally stable and operates at a low pressure drop with lower fouling susceptibility to those more complex random packings.



Materials of Construction

Polypropylene, LTHA Polypropylene, Glass Filled Polypropylene, PVDF, Tefzel, CPVC, PE and PFA.

Physical Data

Size (mm)	Bulk Density (kg/m ³)	Surface Area (m ² /m ³)	Voidage (%)	Packing Factor (m ⁻¹)
16	95	350	84	320
25	71	205	90	180
38	70	130	91	131
50	60	100	92	85
75	48	92	93	62
90	43	85	94	56

Tellerette Rings - LTHA

This high surface area random packing was developed in the 1970s to operate at higher temperatures than standard polypropylene material.

Excellent interstitial hold up points which enhances high mass transfer between the gas phase and liquid phase

Its unique shape with thin ribs operates at a low pressure drops especially at low liquid loads .

The Tellerette ring is ideal for gas scrubbers and stripper and liquid- liquid extraction transfer operations . This packing is also useful in dust scrubbers with higher gas temperatures as the circular ribs are continually wetted with the scrubbing liquid with void area to limit fouling .

Materials of Construction

Homogenous polypropylene with 20 % weight Talc suitable for injection moulding. Maximum recommended operating temperature 96 °C.



Raw Material Physical Properties :

<i>Property</i>	<i>Unit</i>	<i>Average Value</i>
Polymer	polypropylene	homopolymer
Talc (filler)	%	20.45
Colour	-	White (spectro)
Moisture	%	0.013
Specific Gravity (ASTM D792)	gms /cc	1.08
M.F.I. (230°C/2.16 kg) (ASTM-1238)	gms/10 min	9.1

Physical Data :

<i>Size (mm)</i>	<i>Bulk Density (kg/m³)</i>	<i>Surface Area (m²/m³)</i>	<i>Voidage (%)</i>	<i>Packing Factor (m⁻¹)</i>
50	61	125	93	92

Packaging :

100 I HDPE sacks or larger sacks on request.