Plastic pall rings are less sensitive to liquid distribution quality and have higher liquid hold-up and residence time in comparison to high performance packings. The rings are also used to replace metal pall rings in applications which are in need of the excellent corrosion resistance of the plastic material.

Applications

» Water treatment
» Drinking water application
» CO₂, SO₂, HCl and HF absorption or stripping
» Chlorine absorption in water or caustic
» Odor control

Benefits

✓ Good liquid/gas distribution and high mass transfer efficiency
✓ High temperature applications
✓ Mechanically robust, lesser probability of breakage
✓ High resistance to fouling
✓ High temperature applications

Specifications

<table>
<thead>
<tr>
<th>Type</th>
<th>mm (inch)</th>
<th>Weight kg/m³</th>
<th>Piece density pcs/m³</th>
<th>Surface area m²/m³</th>
<th>Voidage %</th>
</tr>
</thead>
<tbody>
<tr>
<td>#5/8</td>
<td>16 (⅝&quot;)</td>
<td>115</td>
<td>240,000</td>
<td>340</td>
<td>87,0</td>
</tr>
<tr>
<td>#1</td>
<td>25 (1&quot;)</td>
<td>79</td>
<td>50,200</td>
<td>209</td>
<td>91,3</td>
</tr>
<tr>
<td>#1½</td>
<td>38 (1 ½&quot;)</td>
<td>57</td>
<td>12,260</td>
<td>127</td>
<td>93,7</td>
</tr>
<tr>
<td>#2</td>
<td>50 (2&quot;)</td>
<td>46</td>
<td>5,900</td>
<td>100</td>
<td>94,9</td>
</tr>
<tr>
<td>#3½</td>
<td>90 (3 ½&quot;)</td>
<td>41</td>
<td>1.075</td>
<td>59</td>
<td>95,5</td>
</tr>
</tbody>
</table>

*All weights given refer to polypropylene. To obtain the weight of the other types of plastics the weight has to be multiplied with the following factors:

- Glass-filled polypropylene (GFPP) 1,20
- Polyvinylidene fluoride (PVDF) 2,00
- Perfluoralkoxypolymer (PFA) 2,40

For additional information, support or (special) requests, please contact our sales department.
Pressure drop charts

Pressure drop Plastic Pall Ring 16 ambient air-water system

Pressure drop Plastic Pall Ring 25 ambient air-water system

Pressure drop Plastic Pall Ring 38 ambient air-water system

Pressure drop Plastic Pall Ring 50 ambient air-water system

Pressure drop Plastic Pall Ring 90 ambient air-water system