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## PALL RINGS

CARBON STEEL, STAINLESS STEEL, PP, PE,PVC, CPVC, PVDF, PTFE



### Carbon Steel and Stainless Steel Pall Rings

#### Characteristics

Sizes/mm	Bulk Density(kg/M <sup>3</sup> )	Number per M <sup>3</sup>	Surface Area(M <sup>2</sup> /M <sup>3</sup> )	Free Volume(%)
15*15* 0.5	642	240 000	360	94
25*25*0.6	462	51 000	215	96
38*38*0.8	414	14 500	135	96
50*50*1.0	400	6 300	105	96
80*80*0.8	200	1 600	80	96

Weight differs with different materials and thickness.

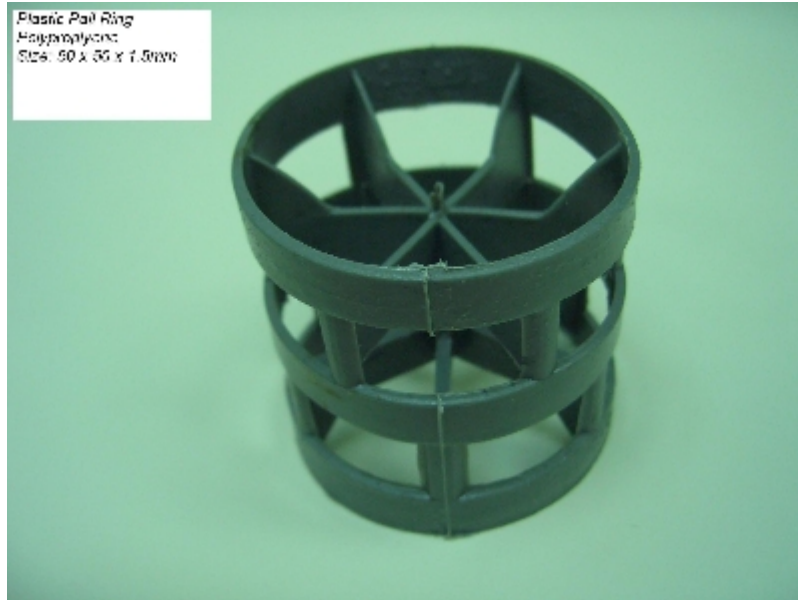
We are able to supply Pall Rings with higher thickness say 1.0mm for 25mm Diameter.



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## Plastic Pall Ring

Plastic materials for the production of packings for towers have recently been used in many application fields in which formerly were restricted to metals and ceramic materials.

Selection of plastic materials depends on chemical resistance, temperature stability and mechanical strength. **Polypropylene** has good resistance to chemicals at temperatures up to more than 100 deg.C, polypropylene is superior to polyethylene in most fields.

**The basic property of Polypropylene PP - Density:** 920kg/m<sup>3</sup>

**Types used:** Operational temperature range:

**Polypropylene LTHA:** up to +110 deg.C

**Polypropylene glass-fiber reinforced:** up to + 140 deg.C

**Polypropylene alkali-proof:** up to +110 deg.C

**Cold-resistant :** to -10 deg.C (depending on the type)

*Resistant to acids like hydrochloric acid and sulfuric acid bases like caustic soda solution and caustic-potash solution salt solutions like sodium chloride, ammonium chloride alcohols, ketones such as methanol, ethanol, acetone-organic acids like formic acid, acetic acid*



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*No resistant to: strong oxidizing agents such as halogens like fluorine, chlorine, bromine halogenated hydrocarbons aromatic hydrocarbons*

As to the resistance, the respective concentrations and temperatures are to be observed.

### Plastic Pall-Ring

Sizes mm	Surface m <sup>2</sup> /m <sup>3</sup>	Free Vol. %	Number per m <sup>3</sup>	Weight kg/ m <sup>3</sup>
16*16*1	260	91	230000	141
25*25*1.2	210	90	53500	82
38*38*1.4	140	89	13500	54
50*50*1.5	100	90	6300	51
76*76*2.6	73	92	1930	58

