

Technical Specification for Plastic Pall Rings

Plastic tower packing is made from heat resistant and chemical corrosion resistant plastics, including polyethylene (PE), polypropylene (PP), reinforced polypropylene (RPP), polyvinyl chloride (PVC), chloridized polyvinyl chloride (CPVC) and polyvinylidene fluoride (PVDF). It has features such as high free volume, low pressure drop, low mass-transfer unit height, high flooding point, uniform gas-liquid contact, small specific gravity, high mass transfer efficiency and so on, and the application temperature in media ranges from 60°C to 150°C. For these reasons it is widely used in the packing towers in petroleum industry, chemical industry, alkali-Chloride industry, coal gas industry and environmental protection, etc...

Physical & chemical properties of plastic tower packing

Performance / Material	PE	PP	RPP	PVC	CPVC	PVDF
Density (g/cm ³)	0.94-0.96	0.89-0.91	0.93-0.94	1.32-1.44	1.50-1.54	1.75-1.78
Operation Temp. (°C)	90	>100	>120	>60	>90	>150
Chemical corrosion resistance	Good	Good	Good	Good	Good	Good
Compression Strength (Mpa)	>6.0	>6.5	>7.0	>6.0	>8.0	>10.0



Sizes mm	Surface m ² /m ³	Free Volume %	Number Per m ³	Weight Kg/m ³
16*16*1	350	91	230000	80
25*25*1.2	220	91	53500	80
38*38*1.4	145	93	13500	60
50*50*1.5	110	95	650	45