

Plastic Pall Ring

Product No.: KPK-PPR



Illustration 1: Plastic Pall Ring(KPK-PPR)

Plastic Pall Ring is versatile. This product was advanced on the basis of Plastic Raschig Ring, and compared with it, both of them have similar cylindrical dimensions but the Plastic Pall Ring has two rows of punched out holes, with fingers or webs turned into the centre of the cylinder, which significantly increases the performance of the packing, in terms of throughput, efficiency and pressure drop.

Advantages:

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.

Application:

Absorption, scrubbing, and stripping services. Versatile alternative to metal Pall rings.

A variety of different sizes of products provide the ability to optimize capacity and efficiency based on different application requirements, and the application temperature in media ranges from 60°C to 150°C.

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Physical & chemical properties of plastic random 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

Size & Specification:

Product Name	Size mm	Diameter* Height* Thickness mm	Surface Area m ² /m ³	Void Space %	Bulk Density kg/m ³	Number/ m ³	Packing factor m ⁻¹
Plastic Pall ring	Φ25	25×25×1.2	213	91	85	48300	285
	Φ38	38×38×1.4	151	91	82	15800	200
	Φ50	50×50×1.5	100	92	60	6300	130
	Φ76	76×76×2.6	72	92	62	1930	92

Note: The bulk density given here is based on PP material.

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