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RANDOM PACKINGS | PLASTIC

Plastic Pall rings



Plastic Pall rings

Plastic Pall rings for random packing of columns, available in a wide range of thermoplastic materials.

Type	Pall ring
Family	Plastic random packing
Available sizes	5/8", 1", 1.5", 2" and 3.5"

Characteristics

Size	Density (kg/m³)	Specific area (m²/m³)	Void fraction (%)	Packing factor (m^{-1})	Piece count/m³
5/8" (15 x 15 mm)	110	319	88	318	213,000
1" (25 x 25 mm)	76	209	92	176	49,400
1.5" (38 x 38 mm)	52	145	94	107	12,100
2" (50 x 50 mm)	43	105	95	79	6,000
3.5" (90 x 90 mm)	39	66	95	48	1,100

The above densities refer to polypropylene.

Material equivalence

Material	Symbol	Weight factor
Polypropylene homopolymer	PPH	1
Stabilized polypropylene, high temperature	PP-LTHA	1
Glass filled polypropylene	PP-GFF	1.14
Polyvinyl chloride	PVC	1.52
Chlorinated polyvinyl chloride	CPVC	1.71
High density polyethylene	HDPE	1.05
Kynar	PVDF	1.96
Teflon	PFA	2.36
Tefzel	ETFE	1.89
Halar	ECTFE	1.85