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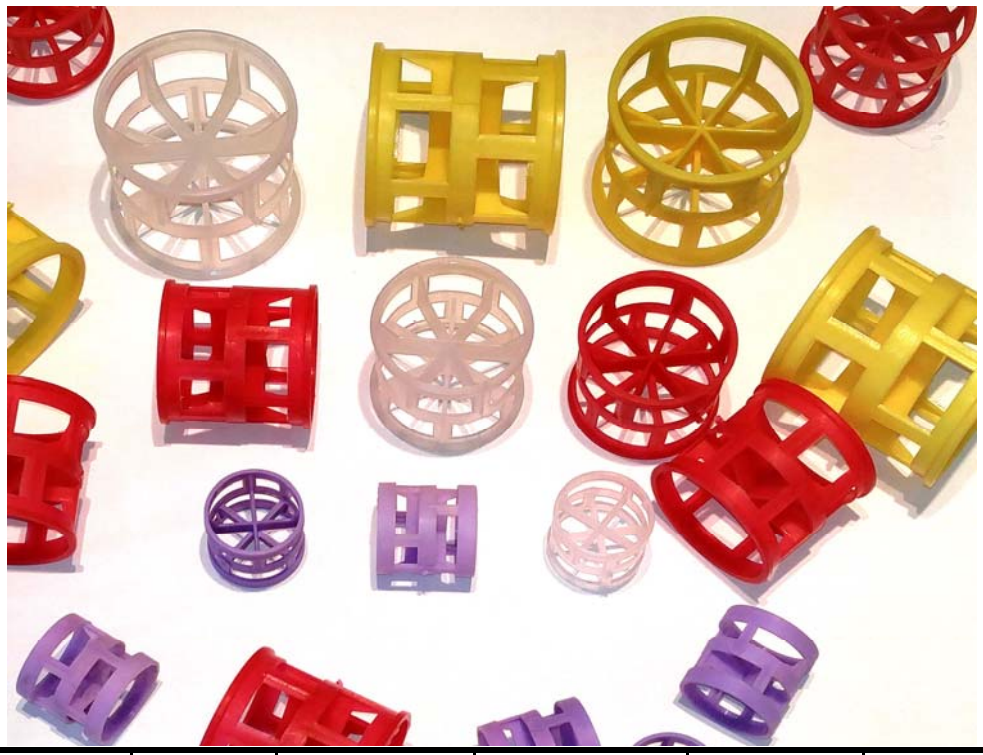
PLASTIC RANDOM PACKING CHARACTERISTICS

1/ TECHIM PLASTIC PALL RINGS



Size (inch)	Density (kg/m3)	Specific Area (m2/m3)	Void Fraction (%)	Packing Factor (m-1)	Piece Count /m3
5/8" (15x15 mm)	110	319	88	318	213000
1" (25x25 mm)	76	209	92	176	49400
1.5" (38x38mm)	52	145	94	107	12100
2" (50x50 mm)	43	105	95	79	6000
3.5" (90x90mm)	39	66	95	48	1100

The above densities refer to polypropylene

2/ 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	C-PVC	1.71
High Density Polyethylene	HDPE	1.05
Kynar	PVDF	1.96
Teflon	PFA	2.36
Tefzel	ETFE	1.89
Halar	ECTFE	1.85