

STRUCTURED PACKING DATASHEET

Ambani Metals offers a wide range of Structured Packing designed for efficient mass transfer in distillation, absorption, and stripping columns. Structured packing consists of carefully arranged corrugated sheets—metal, plastic, or ceramic—stacked in a specific geometry to maximize surface area, promote uniform fluid distribution, and ensure low pressure drop. It is ideal for applications requiring high separation efficiency, minimal hold-up, and energy savings.

AMB - STRUC SERIES STRUCTURED PACKING

Model	Mould	Surface Area	Height (mm)	Surface Structure	Material Thickness
-	-	m ² /m ³	mm	-	mm
AMB-STRUC-90X	90X	90	140	Smooth	0.4–2
AMB-STRUC-64X	64X	64	220	Smooth	0.4–2
AMB-STRUC-64Y	64Y	64	130	Smooth	0.4–2
AMB-STRUC-40Y	40Y	40	200	Smooth	0.4–2

AMB - STRUC PLUS HIGH CAPACITY VANTAGE

Model	Mould	Surface Area	Bulk Density	Voidage	Pressure Drop
-	-	m ² /m ³	kg/m ³	%	Pa/m ³
AMB-STRUC PLUS-125Y	125Y	125	100	98	200
AMB-STRUC PLUS-250Y	250Y	250	200	97	300
AMB-STRUC PLUS-350Y	350Y	350	280	94	350
AMB-STRUC PLUS-500Y	500Y	500	360	92	400
AMB-STRUC PLUS-125X	125X	125	100	98	140
AMB-STRUC PLUS-250X	250X	250	200	97	180
AMB-STRUC PLUS-350X	350X	350	280	94	230
AMB-STRUC PLUS-500X	500X	500	360	92	280

AMB - MESH WIRE MESH STRUCTURED PACKING

Model	Mould	Surface Area m ² /m ³	Bulk Density kg/m ³	Voidage %	Pressure Drop Pa/m ³
AMB-MESH-250X	250X	250	125	95	100-400
AMB-MESH-500X	500X	500	250	90	400
AMB-MESH-700Y	700Y	700	280	85	600-700

AMB - STRUC - C CERAMIC STRUCTURED PACKING

Model	Mould	Voidage %	Plate Thickness mm	Bulk Density kg/m ³	Peak Height mm	Corrugation Distance %	F Factor m/s (kg/m ³) ^{0.5}
AMB-STRUC-C-125Y	125Y	85	2.5±0.5	490	23	42	3
AMB-STRUC-C-150Y	150Y	84	2.2±0.2	520	17	30	2.8
AMB-STRUC-C-250Y	250Y	82	1.4±0.2	580	13	22	2.5
AMB-STRUC-C-350Y	350Y	80	1.2±0.2	590	9	15	2
AMB-STRUC-C-450Y	450Y	76	1±0.2	630	6.5	11	1.5-2
AMB-STRUC-C-500Y	500Y	72	0.8±0.2	650	6	10-10.5	9-12
AMB-STRUC-C-550Y(X)	550Y(X)	74	0.8±0.2	680	5	10	1-1.3
AMB-STRUC-C-700Y(X)	700Y(X)	72	0.8±0.2	700	4.5	8	1.2-1.4

AMB - STRUC - P PLASTIC STRUCTURED PACKING

Model	Mould	Voidage %	Plate Thickness mm	Bulk Density kg/m ³	Peak Height mm	Corrugation Distance %	F Factor m/s (kg/m ³) ^{0.5}
AMB-STRUC-P-125Y	125Y	125	98.5	37.5	200	0.2-100	3
AMB-STRUC-P-125X	125X	125	98.5	37.5	140	0.2-100	3.5
AMB-STRUC-P-250Y	250Y	250	97	75	300	0.2-100	2.6
AMB-STRUC-P-250X	250X	250	97	75	180	0.2-100	2.8
AMB-STRUC-P-350Y	350Y	350	95	105	200	0.2-100	2
AMB-STRUC-P-350X	350X	350	95	105	130	0.2-100	2.2
AMB-STRUC-P-550Y	550Y	550	93	150	300	0.2-100	1.8
AMB-STRUC-P-500X	500X	500	93	150	180	0.2-100	2

Contact us



Head Office

Office no. 2, 2nd floor, Nebula Tower, Sindhi Lane, Mumbai - 40004, Maharashtra, India.



Contact Number

+91 9930498858
+91 9930498865



Email

sales@ambanimetal.com
export@ambanimetal.com



Website

www.ambanimetal.com