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Technical Information

Materials & Item		Alumina Bubble Bricks			
Category		YDM85	YDM90	YDM99	YDM98
Max Working Temperature		1400 °C	1500 °C	1600 °C	1800 °C
Chemical Composition	Al ₂ O ₃ %	≥85	≥90	≥99	-----
	ZrO ₂ %	-----	-----	-----	≥98
	SO ₂ %	≤13	≤8	≤0.2	≤0.2
	Fe ₂ O ₃ %	≤0.2	≤0.2	≤0.2	≤0.2
Bulk Density g/cm ³		1.4--1.7	1.4--1.7	1.4--1.7	≤3.0
Cold Crushing Strength Mpa		≥12	≥10	≥9	≥8
Deformation Temperature under loading (0.1 Mpa 0.6%) °C		≥1650	≥1700	≥1700	≥1700
Variation Rate of Re-Burning (1600°C X 3h)		0.3	0.3	0.3	0.2
Thermal Expansivity X 10 @ 1300°C		7.8	8.0	8.6	9.1
Thermal Conductivity (@ Average 800°C)		≤0.8	≤1.3	≤1.5	≤0.3