

● Air Permeable Series Physical Properties Table

Physical properties Unit Test method		Product name Component	332	333	621	324
			Al ₂ O ₃ 94%	Al ₂ O ₃ 92%	Al ₂ O ₃ 80%	Al ₂ O ₃ 90%
Ceramic Properties	Central Pore Diameter(μm) Mercury intrusion method		10	26	60	13
	Porosity(%) JIS R2205		51	46	59	34
	Bulk Specific Gravity JIS R2205		1.9	2.1	1.4	2.7
	Bending Strength(MPa) *(1) JIS R1601		45	38	11	70
	Coefficient of Thermal Expansion(×10 ⁻⁶) 100→1000°C JIS R1618		7.2	8.3	6.6	8.3
Independent Evaluation	Air flow rate:0.05MPa(ℓ /min) Air pressure measurement		1	4.7	6.9	2.3
		Water flow rate:0.05MPa(ml/min) Air pressure measurement	177	404	690	124
	Corrosion rate	HNO ₃ 20%(%) After immersion for 20 hours weight loss	0.12	0.04	0.15	0.40
		NaOH 20%(%) After immersion for 20 hours weight loss	0.13	0.05	0.17	0.04
Color			White	White	White	Black

*The data are representative values, not guaranteed values.

*(1) 3-point bending test.

