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Vacuum performance analysis of low-temperature activated getter pump with different sintering conditions

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The pumping speed of pill-type getter pumps for low-temperature activation, fabricated under different sintering conditions, were measured at various temperatures. To reduce uncertainty, the pumping speed measurements were performed on more than 70 getter pumps. This measurement method has limitations: it measures the pumping speed only on one side of the getter and may overestimate the speed due to the influence of getter powder. Therefore, the pumping speed of a single pill-type getter pump was measured and compared in accordance with ASTM F798-97.

Footnotes

Paper preparation format

Region represented

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