

## Investigation on acoustic behavior of acoustic porous absorbers to absorb sound energy and transmission loss index

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### Abstract

In this study, the acoustic properties of porous absorbents with different porosity levels have been evaluated using different mathematical models. These models use one or more parameters of materials for calculating acoustic characteristics. In all of these models, materials are considered as equivalent fluid and reactionary characteristics have not been taken into account.

**Keywords:** Transmission loss, Sound absorption, Porous absorbent, Porosity, Acoustic characteristics.

pp. 32-38 (In Persian)

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