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The effect of plastic film transmittance on heat transfer in a multilayer insulation structure of rectangular air cells for frozen food wrapping

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Highlights

- The multi-layer structure of uniform, rectangular air cells is considered
- The phenomenon of radiation through a number of parallel internal films is analysed
- The prepared model was used to investigate the impact of film transmittance
- Experimental frosting and thawing of a test package confirmed the abilities of wrap

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