

TechInfo 9

Tolerances on dimensions of insulation sheets

According to DIN 28091-1 the following tolerances for isoplan® sheets are valid:

Nominal value of thickness	≤ 1 mm	> 1 mm
Permissible tolerance on nominal value	± 0,1 mm	± 10 %
Permissible value of thickness deviation within each sheet (shape tolerance)	0,14 mm	± 7 %

Example of tolerance for insulation sheet of thickness 5.0 mm:

The permissible thickness tolerance of one lot is between 4.5 mm bis 5.5 mm. Whereas the thickness deviation of each single sheet of this lot must not exceed 0.7 mm, means that for example the thickness of one sheet may deviate from 4.5 to 5.2 mm , further sheet may deviate from 4.8 to 5.5 mm.

Nominal measurement width x length	As mentioned by the supplier, for ex. 1000 x 1000 mm
Limited measurements ¹	Nominal measurement is the minimum (plus measurements allowed only)

Do you have any questions about your application? Our gaskets application engineering will help you:
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