

Tolerances on dimensions of gasket sheets

According to DIN 28091-1 the following tolerances for gasket 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)	0,1 mm	0,2 mm

Example of tolerance for gasket sheets of thickness 3.0 mm:

The permissible thickness tolerance of one lot is between 2.7 mm and 3.3 mm. Whereas the thickness deviation of each single sheet of this lot must not exceed 0.2 mm., means that for example the thickness of one sheet may deviate from 2.8 to 3.0 mm, further sheet may deviate from 3.1 to 3.3 mm.

Nominal measurement width x length	As mentioned by the supplier, for ex. 1500 x 1500 mm
Limited measurements ¹	Nominal measurement is the minimum (plus measurements allowed only)
¹ in case of gasket sheets with metal reinforcement also minus measurements of up to 0.5 % are allowed	

In case of gasket sheets on basis of PTFE (novaflon®) such close tolerances cannot be kept without fail caused by production.

Application engineering questions?

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