

Quality System Document / 01

Works Instruction / Specification WI 007



ISO9001, ISO14001, ISO45001
Certificate Ref: 11738

Operation / Subject and General conditions

Product tolerances (formerly ASG001). The following commercial tolerances shall at all times be in force on products supplied by Advanced Seals and Gaskets Ltd, unless explicitly modified, in advance and in writing, by Advanced Seals and Gaskets Ltd, for a specific works order.

1. Purpose

Dimension (mm)	Tolerance (mm)
1 mm to 10 mm	± 0.5 mm
10.1 mm to 25 mm	± 1.0 mm
25.1 mm to 100 mm	± 1.5 mm
100.1 mm to 250 mm	± 2.0 mm
250.1 mm to 500 mm	± 3.0 mm
500.1 mm to 1000 mm	± 6.0 mm

Sheet, strip and gasket thickness tolerances

Thickness (mm)	A347 Expanded PVC foam	A318 / A325 High temperature EPDM	A360 Industrial felt (average)	A330 Industrial Sponge Rubber	A314 Semi Open Cell EPDM	All other materials
1 mm		± 0.5mm	± 20% / 25%	± 0.381 mm	N/A	± 0.25 mm
1.5 mm		± 0.5mm	± 20% / 25%	± 0.381 mm	N/A	± 0.3 mm
2 mm	± 0.6 mm	± 0.5mm	± 20% / 25%	± 0.381 mm	N/A	± 0.28 mm
3 mm	± 0.8 mm	± 1.0 mm	± 20% / 25%	± 0.381 mm	± 0.6mm	± 0.3 mm
4 mm	± 1.0 mm	± 1.0 mm	± 15% / 20%	± 0.381 mm	± 0.8mm	± 0.4 mm
5 mm	± 1.2 mm	± 1.0 mm	± 15% / 20%	± 0.762 mm	± 1mm	± 0.5 mm
6 mm	± 1.4 mm	± 20%	± 15% / 20%	± 0.762 mm	± 1.2mm	± 0.6 mm
7 mm	± 1.6 mm	± 20%	± 15% / 20%	± 0.762 mm	± 1.4mm	± 0.7 mm
8 mm	± 1.8 mm	± 20%	± 15% / 20%	± 0.762 mm	± 1.6mm	± 0.8 mm
9 mm	± 2.0 mm	± 20%	± 15% / 20%	± 0.762 mm	± 1.8mm	± 0.9 mm
10 mm	± 2.4 mm	± 20%	± 15% / 20%	± 0.762 mm	± 2mm	± 1.0 mm
12 mm		± 20%	± 10% / 15%	± 0.762 mm	± 2.4mm	± 1.2 mm
16 mm		± 20%	± 10% / 15%	± 1.524 mm	± 2.8mm	± 1.6 mm
19 mm		± 20%	± 10% / 15%	± 1.524 mm	± 3.8mm	± 1.9 mm
>= 25 mm		± 20%	± 10% / 15%	± 1.524 mm	± 20%	± 10%

Roll and sheet dimensional tolerances

Width 1000 mm	± 25.0 mm
Length 2000 mm	± 50.0 mm
Length 10,000 mm	± 200.0 mm

Adhesive Tape - Commercial Tolerances

Hot Melt Coat Weight	± 10-15% (gsm)
Water based Acrylic Coat Weight	± 10-15% (gsm)
Solvent based Acrylic Coat Weight	± 10-15% (gsm)

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Silicone rubber extrusion tolerances covered by standard ISO 3302-1 (replaces BS3734) which is what we work to. Within the Silicone rubber extrusion tolerance class $\pm E3$.

Change Control Date	Change
14/04/2014	Created
27/08/2014	Roll and sheet length dimensional tolerance added
25/09/2014	General conditions modified
04/06/2019	A318 / A325 Tolerance amendment for 1mm & 1.5mm thick from +/- 0.25 to +/- 0.5mm
04/06/2019	A330 Industrial Sponge Rubber commercial tolerances added in independent column
10/06/2020	A314 Semi Open Cell EPDM commercial tolerances added in independent column
18/05/2023	A318 / A325 Tolerance amendment for 6mm + from $\pm 10\%$ to $\pm 20\%$



The above figures are average values.

We recommend that you examine any material you select to ensure its suitability for your application.
Tolerance(s) applied in accordance with ASG specification No WI007 (<https://bit.ly/3nKm6Hj>) unless otherwise stated.
Our standard terms and conditions of trading (<https://bit.ly/3b3mThw>) apply at all times.



ASG