

Technical Data Sheet

Aluminium foil Al 99,5% (alloy EN AW-1050A), 50 µm, smooth, soft

Description: Aluminium foil Al 99,5% (alloy EN-AW1050A),
 Level of purity Al: $\geq 99,5 \%$
 Specific weight: $2,70 \text{ g/cm}^3$,
 Thickness: 50 micron (0,050 mm)
 Quality: soft (O/H111)
 Surface: smooth (mill-finished)
 In accordance with: DIN 1784 + 1712 (DIN EN 485-2, 546-3, 573-3).

Elongation at rupture - $A_{50 \text{ mm}}$: min. 4 %
 Thickness-Tolerance: $\pm 8 \%$
 Width-Tolerance: $\pm 2 \text{ mm}$
 Tensile strength - R_m : $> 45 - 95 \text{ MPa}$

Properties:

- absolutely gas and water vapour-tight
- not inflammable normal VI in accordance with SIA norm 183/2
- construction material class A1 in accordance with DIN 4102
- chemically resistant against all greases, acids and oils apart from alkaline and fluorine dissolved in water, unrottable
- important for installation in damp and wet rooms
- corrosion-resistant as aluminium forms a natural oxide protective layer on contact with air and dampness
- temperature-resistant up to 600° C - melting point 650° C
- highly reflecting
- bright-rolled aluminium foils reflect approx. 95 % of the radiation arising
- physiologically and bacterially neutral
- no breeding ground for bacteria and vermin, therefore no impairment or damage to the human or animal organism
- environment-friendly
- no harmful effects in disposing of aluminium
- energy-saving
- vapour traps (baffles) contribute through the protection of insulation layers to better exploitation of energy. Moreover, a large part is regained in the recycling process (saving energy) through melting down.

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