ALUJET UNIVERSAL

Technical Data Sheet

Aluminium foil AlFe1Si (alloy EN AW-8079), 15 µm, smooth, soft

Description:	Aluminium foil AlFe1Si (Alloy EN AW-8079),
Level of purity Al:	≥ 97,6 % (+ principal constituents Si 0,05-0,3 % + Fe 0,7-1,3 %)
Specific weight:	2,71 g/cm³,
Thickness:	15 micron (0,015 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 - $A_{50\,mm}$:	min. 1 %
Thickness-Tolerance:	± 8 %
Width-Tolerance:	± 2 mm
Tensile strength - R_m :	50 - 105 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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