

ISOLPAK ALU 280

Technical data sheet

Rigid UV-ALU-PVC jacketing film for insulation

Characteristics:

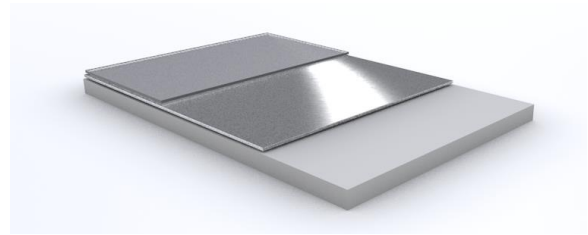
- The UV-ALU-PVC film is self-extinguishing by its nature. We produce normal and low inflammable types of this film.
- Acid-, alkali-, salt solution-, fat-, oil-, bacterium- and fungus-resistance.
- Excellent physical features, such as flexibility and elasticity.
- No special care or maintenance required due to antistatic components.
- Surface: smooth with dull finish on one side.

Description:

TTM Isolpak ALU is a multi layer laminate of aluminum, coated with a special UV protection film and a PVC backing. This system is highly punctured and tear resistant as well as flame retardant and can be used for exterior and interior facing of hot and cold insulation. It combines an excellent vapor barrier with water tightness. It is an easily useable material for rapid covering and it is extremely resistant to damaging environmental effects.

Packaging:

Compact, space-saving packaging, required storage space per pallet: app. 1 m². The films are rolled on cardboard cores with 5mm wall thickness and 50mm internal diameter. The industrial versions are on 76mm paper core with a maximum outer diameter of the roll of 600mm.



Construction:

- Transparent UV-Protection film
- Aluminium, glossy
- PVC (FR)

Technical data:

Property	Norm	unit	Value
Total weight		g/m ²	403
Thickness appr.		mm	0,280
Thickness tolerance		mm	± 0,05
Width		mm	1000 / 1065 / 1275
Width tolerance		mm	± 2
Tensile strength	EN ISO 527-3	N/mm ²	> 35
Elongation at break	EN ISO 527-3	%	40
Tear strength	EN ISO 527-3	N	82
Puncture Ø 3,0mm	prEN 14 477	N	100
LOI [Limited oxygen index]		% O ²	40
UV stability (internal weatherometer-test)		years	App. 11
Sd-Value			> 1500
Temperature resist.		°C	-25 to +75
Reflectivity		%	35
Emissivity			0,65

Our products are the result of fundamental research. They correspond to the latest technical standard. For their useful application we give data and technical information to the best of our knowledge but, however, without any warranty. In special cases the user shall make his own tests to determine the suitability of the products for his purpose.