

SALDATURA MIL - PRF - 131 K - C
200° C - 2 SEC

VCISHIELDS ALUBAR

VCISHIELDS ALUBAR is a triple layer film obtained by coupling aluminum with other materials to protect products from atmospheric and environmental agents. Resistant and effective, this triple layer film is part of the **SHIELDS** product range. It is ideal for maritime transport and container shipments of materials that must be protected from humidity, corrosion and salt such as electrical cabinets, mechanical equipment, etc. Available in standard rolls, on request available also in sheets, bags, envelopes, tubular films.

Advantages

- High Resistance
- Low water vapor permeability
- Easily solderable and malleable
- Complies to the rules MIL-PRF-131 K Class 1





VCI SHIELDS ALUBAR

Wrapped around your business

Product Description

The material is formed by the coupling of an oriented polyester film (12 mycrons), aluminum (9 mycrons) and high density polyethylene (80 mycrons). Internal Polyethylene color: black.

Available in rolls with height mm 1000/1250/1500/1750 from sqm 300 each.

On request, rolls of different heights can be produced with a maximum height of 6000 mm.

Technical data

PROPERTY		NORM	UNIT	VALUE
Total weight		ISO 536	g/m ²	120 (+/-) 5%
Total thickness		DIN EN 10204	µm	105 (+/-) 5%
Polyester Thickness (PET)		DIN EN 10204	µm	12 (+/-) 5%
Aluminum Thickness (ALU)		DIN EN 10204	µm	9 (+/-) 5%
Thickness High Density Polyethylene (PEHD)		DIN EN 10204	µm	80 (+/-) 5%
Tensile strength	(M.D.)	DIN 55 531	N/mm ²	75
Tensile strength	(T.D.)	DIN 55 531	N/mm ²	77
Water vapor permeability		DIN 55 122	g/m ² /d	< 0,05
Optimum welding temperature			C°	180-200

The materials used during the manufacturing process have been regulated by the FDA as follows: Polyester: 21 CFR 177/1630 - Solvent-free adhesive: 21 CFR 175/105 - Polyethylene: 21 CFR 177/1520 - Aluminum: unregistered - In particular the layer of the black PE HD inside the barrier material complies with the following regulations: Ministerial Decree of 21/03/03 and subsequent updates. EU Directive n° 2002/72 / EC.

Recommended Applications

Heat-sealable product suitable for packaging applications of industrial and technical products.

The coupled barrier has high thermal resistance, excellent mechanical performance and maximum barrier to light, gas and water vapor.

Proper Storage Mode

Keep the material in a sheltered area before use.

The above information corresponds to the current state of the technical knowledge of the matter, are not binding and must be adapted however, to the local regulations in force. Therefore civil and criminal reprisals are excluded. For further questions please contact us.



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