



# TECHNICAL DATA SHEET

## SK4MBP90-1

### Triple layer moisture barrier protective film

#### ► DESCRIPTION

SK4MBP90-1 is a triple layer film obtained by coupling aluminum with other materials to protect products from atmospheric and environmental agents. Resistant and effective, 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.

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.

#### ► ADVANTAGES

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





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#### ► TECHNICAL DATA

Property		Norm	Value	Unit
Total weight		ISO 536	120 (+/-) 5%	g/m <sup>2</sup>
Total thickness		DIN EN 10204	101 (+/-) 5%	µm
Polyester thickness (PET)		DIN EN 10204	12 (+/-) 5%	µm
Aluminium thickness (ALU)		DIN EN 10204	9 (+/-) 5%	µm
Thickness high density polyethylene (PEHD)		DIN EN 10204	80 (+/-) 5%	µm
Tensile strength	(M.D.)	DIN 55 531	75	N/mm <sup>2</sup>
Tensile strength	(T.D.)	DIN 55 531	77	N/mm <sup>2</sup>
Water vapor permeability		DIN 55 122	< 0,05	g /m <sup>2</sup> /d
Optimum welding temperature			180-200	C°

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  
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.

#### ► APPLICATION

Heat-sealable product is used for storage and transportation of composite parts during their intermediate storage or transfer between production sections.

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

#### ► PACKAGING

Available in standard rolls with height 1000/1250/1500/1750 mm from 300 m<sup>2</sup> each. On request, rolls of different heights can be produced with a maximum height of 6000 mm. On request also available also in sheets, bags, envelopes, tubular films.

Storage conditions: keep the material in a sheltered area before use.