

TECHNICAL DATA SHEET

ES-VM

Standard Vacuum Metallized PET Film

Product Description

ES-VM is Expansteel's standard vacuum metallized PET film, offering a mirror-reflective surface with excellent aroma retention and barrier properties. It is the most versatile base film in the product lineup, suitable for a wide range of packaging, decorative, and industrial applications.

Key Features

- Mirror-reflective surface finish
- Good aroma and moisture barrier properties
- Strong aluminum adhesion
- Compatible with various lamination processes
- Cost-effective solution for general-purpose metallized film needs

Applications

Packaging | Agriculture | Decoration | Insulation | Labels | Gift Wrap

Technical Specifications

Property	Unit	Standard	Typical Value
Thickness	μm	12	12
Al Thickness (O.D.)	—	≥ 2.0	2.0
Al Adhesion	N/15mm	—	1.5
Surface Tension (Al side)	mN/m	≥ 48	54
WVTR (38°C, 90% RH)	g/m ² ·24h	—	Standard
OTR (23°C, 0% RH)	cc/m ² ·24h	—	Standard

Available: 6μm–100μm thickness. Width and length customizable.

Packaging & Storage

Standard packaging: Roll form, wrapped in PE film, packed in carton box with foam protection. Store in a cool, dry environment (temperature below 35°C, humidity below 75% RH). Avoid direct sunlight. Shelf life: 12 months from date of manufacture under proper storage conditions.

Customization

Available thickness: 6µm – 100µm. Width and length are fully customizable to your production requirements. Contact our sales team for custom specifications, sample requests, or technical consultation.

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This document is for reference only. Actual specifications may vary. Contact us for detailed testing data.