

**Thermashield® E Matte 125**
ENCAPSULATION FILM**Product Description**

Thermashield® E Matte 125 is an economy grade clear polyester encapsulation film designed for the consistent double-sided encapsulation of various types of media.

Provides a protection from dirt, wrinkling and tearing.

Product Usage

For the one pass encapsulation process, requires **Seal®** heated roller laminators.

Storage

Shelf life: Two years under the correct storage conditions

Temperature: 20°C/68°F

Relative Humidity: 65%

Film Durability – 1 year

This durability statement is derived from outdoor exposure based on European climate. The information does not relate to the printed media, but only to the lamination film used. Indoor exposure will increase the durability rating of the film specified

Recommended Application

Flexible Displays

Physical Characteristics	
Type of film	25 micron (1 mil) Polyester
Type of Adhesive	EVA
Type of Release Liner	None
Total Construction	125 micron (10 mil)
PH Value	7.0
Estimated UVA protection factor	None
Estimated UVB protection factor	None

Process Settings	
Temperature	110°C/221°F
Speed:	1mpm-1.5mpm
Pressure:	See operators manual

Resistance

Heat Resistance range: -25°C (-13°F) to 115°C (239°F) Resistance to most oils, fats, alkalis, mild acids and water.

Reactivity Hazard Data

Chemical stability: Stable. Incompatibility: Avoid contact with strong acids and bases. May react violently with Fluorine.

Health Hazard Data

Ingestion: Non toxic; Skin contact: Non irritating; Inhalation: Upon overheating may produce fumes. Remove personnel to fresh air and reduce heat to film.

Visual Fire and Explosion Hazards

Extinguishing media: Water spray, Carbon Dioxide or Powder.

Fire fighting procedures: Respiratory and eye protection should be provided for trained fire fighting personnel to avoid contact with combustion products.

Unusual Fire and Explosion Hazards: The products of incomplete combustion include: carbon monoxide, carbon dioxide, acetaldehyde, acrolein.

A static discharge device is required to eliminate electrostatic build up on the roll, as it is being unwound and rewound, especially in explosive areas.

Precautions for Safe Handling and Use

No special hazards anticipated under normal conditions encountered in storage, processing and disposal.

Waste Disposal Methods: Incineration or landfill.

Control and Protective Measures

No protective clothing required under normal conditions of use. Gloves may be required when handling extremely hot films

Note: Values are given as an average and should not be taken as maximum or minimum for specific purposes.

Specific technical details, application data and suggested uses are available on request.

Specifications subject to change without notice. Date of Issue 16 March, 2005

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