



Technical Data Sheet

3M™ Ultra-High Temperature Paint Masking Film 7305



[Product Details](#)

Product Description

3M™ Ultra-High Temperature Paint Masking Film 7305 is a high performance, high temperature wide area masking film that is designed to not scratch or damage surfaces and is flexible for good drape and conformability.

Product Features

- 3M™ Ultra-High Temperature Paint Masking Film 7305 is ideal for protecting against bleed-through of solvents and paints.
- Conformable film with good drape properties.
- Eliminates flying fiber contamination normally associated with fibrous paper wide area masking products.
- Treated backing for good paint adhesion.
- Many 3M masking tapes have excellent adhesion to 3M™ High Temperature Paint Masking Film 7305.
- Masking tape and film can be dispensed together using existing 3M apron tapers.
- Temperature Resistance of 180C up to 1 hour.
- Smooth film that helps prevent scratching and damage to underlying substrates.
- Excellent paint flaking resistance.

Technical Information Note

The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Typical Physical Properties

Attribute Name	Value
Color	Translucent
Backing	laminated polymer
Density	1.013 g/cm ³
Film Thickness	0.03 mm (1.2 mil)

Typical Performance Characteristics

Attribute Name	Test Method	Test Condition	Value
Elongation at Break	ASTM D882	Machine Direction	minimum 200 %
Elongation at Break	ASTM D882	Cross Direction	minimum 300 %
Tensile Strength	ASTM D882	Machine Direction	10.5 N/cm (95.9 oz/in)
Tensile Strength	ASTM D882	Cross Direction	7.5 N/cm (68.5 oz/in)
Short Term Temperature Resistance			180 °C (355 °F) ¹

¹ Short Term (minutes, hour)

Electrical and Thermal Properties

Attribute Name	Value
Surface Resistivity	minimum 10 ¹¹ Ω

Storage and Shelf Life

Store under normal conditions of 16° to 27°C (60° to 80°F) and 40 to 60% relative humidity in the original packaging, out of direct sunlight. For best performance, use this product within 18 months from date of manufacture.

Available Sizes

Attribute Name	Value
Standard Roll Length	1500 m (1642 yd)

Information

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ISO Statement

This product was manufactured under a 3M quality system registered to ISO 9001 standards.

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