



Technical Datasheet - US Customary Units

Melinex® 455

Product Description: Melinex® 455 is a high clarity polyester film pretreated on one side for slip. It has excellent handling characteristics. It is available in thicknesses of 200, 270, 275, 370, 380, 460, 465 and 650 gauge.

General Product Info

Melinex® 455 characteristics:

- Two smooth coatable surfaces
- Low surface resistivity
- Can be topcoated on either side
- Improves safety and cleanliness

Approvals: Library of Congress Specification - This film meets the Library of Congress Specification Number 500-500-5/31/95 for use in archival storage.

Typical Properties

Property	Thickness	Value	Units	Test
OPTICAL				
Total Light Transmission (TLT)	200	88.7	%	ASTM D1003
Total Light Transmission (TLT)	270	88.5	%	ASTM D1003
Total Light Transmission (TLT)	370	88.3	%	ASTM D1003
Total Light Transmission (TLT)	465	88.0	%	ASTM D1003
Total Light Transmission (TLT)	650	87.0	%	ASTM D1003
PHYSICAL				
C.O.F. (dynamic) A-B		0.4		ASTM D1894
Elongation at Break MD		150	%	ASTM D882A
Elongation at Break TD		100	%	ASTM D882A
Tensile Strength MD		28,000	psi	ASTM D882A
Tensile Strength TD		36,000	psi	ASTM D882A
Yield Strength MD		14,000	psi	ASTM D882A
Yield Strength TD		14,000	psi	ASTM D882A
THERMAL				
Shrinkage MD (190°C)		2.5	%	Unrestrained @ 190°C/5 min
Shrinkage TD (190°C)		1.0	%	Unrestrained @ 190°C/5 min

Date of Last Revision: 01 May 2024

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