

MELINEX® 339

Melinex® 329 is an opaque white, non-pretreated, polyester film with superb handling properties and a unique glossy appearance.

Melinex® 329 is used as a base for pressure sensitive labels, in security and access cards, in multiple use tickets and in general printing applications. It is also used for medical diagnostic test strips.

APPROVALS:

UL recognized - Product has been registered with Underwriters Laboratories

Typical Properties

Available Thickness [Gauge]

92; 142; 200; 300; 380; 500; 700; 820; 1000

Property	Thickness	Value	Units	Test
OPTICAL				
Gloss 45 Degrees	92-1000	40	%	ASTM D1003
Gloss 60 Degrees	92-1000	45	%	ASTM D1003
TLT	92	23	%	ASTM D1003
TLT	200	12	%	ASTM D1003
TLT	300	9	%	ASTM D1003
TLT	500	6	%	ASTM D1003
TLT	1000	2	%	ASTM D1003
Whiteness	200	100		ASTM E313-79
Whiteness	300	100		ASTM E313-79
PHYSICAL				
Density	92-142	1.40	g/cc	
Density	200-300	1.43	g/cc	ASTM D1505
Density	380-700	1.48	g/cc	ASTM D1505
Density	820 - 1000	1.51	g/cc	ASTM D1505
Elongation at Break MD	92-1000	115	%	ASTM D882A
Elongation at Break TD	92-1000	90	%	ASTM D882A
Tensile Strength MD	92-1000	22,000	psi	ASTM D882A
Tensile Strength TD	92-1000	23,000	psi	ASTM D882A
Yield (nominal)	92	21,800	in ² /lb	
Yield (nominal)	142	14,000	in ² /lb	
Yield (nominal)	200	9,900	in ² /lb	
Yield (nominal)	300	6,600	in ² /lb	
Yield (nominal)	380	5,200	in ² /lb	
Yield (nominal)	500	4,000	in ² /lb	
Yield (nominal)	700	2,800	in ² /lb	
Yield (nominal)	820	2,400	in ² /lb	
Yield (nominal)	1000	2,000	in ² /lb	
Yield Strength MD	92-1000	12,000	psi	ASTM D882A
Yield Strength TD	92-1000	12,000	psi	ASTM D882A
THERMAL				
Shrinkage MD (190°C)	92	3.0	%	Unrestrained @ 190°C/5 min
Shrinkage MD (190°C)	142 - 200	2.8	%	Unrestrained @ 190°C/5 min
Shrinkage MD (190°C)	200 - 1000	1.5	%	Unrestrained @ 190°C/5 min
Shrinkage TD (190°C)	92	2.5	%	Unrestrained @ 190°C/5 min
Shrinkage TD (190°C)	142 - 200	1.0	%	Unrestrained @ 190°C/5 min
Shrinkage TD (190°C)	300 - 1000	1.5	%	Unrestrained @ 190°C/5 min

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