



## Minimize Pin Holing

## Makrofol DE 7-2

### Description:

Makrofol DE 7-2 is a translucent polycarbonate film that minimizes pin holing and offers a unique combination of low gloss and enhanced abrasion resistant features. This textured polycarbonate film is supplied with a velvet first surface and a very fine matte second surface. Makrofol DE 7-2 is offered in thicknesses from .005" to .030".

### Applications:

Automotive, Labels, Nameplates, Packaging

Typical Properties			
Properties	Test Method	Units	Values
<b>Physical</b>			
Specific Gravity	ASTM D792		1.20
Conversion Factor		ft <sup>2</sup> /lb-mil	160
Water Absorption (Immersion @ 73°F 24 hours)	ASTM D570	%	0.33
First Surface Gloss- 60° angle, black inked second surface	ASTM D2457	gloss unit	3.0-4.5
First Surface Roughness R3Z	ISO 4288	microns	16-23
<b>Optical</b>			
Haze	ASTM D1003	%	90
Light Transmission	ASTM D1003	%	
Yellowness Index	ASTM E313		1
<b>Mechanical</b>			
Tensile Strength, Yield	ASTM D882	psi	8,600
Tensile Strength, Break	ASTM D882	psi	8,700
Elongation @ Break	ASTM D882	%	120
Tear Strength, Initiation	ASTM D1004	lb/in	1,100
<b>Thermal</b>			
Heat Deflection Temperature	ISO 75		
1.82 Mpa		°F	270
0.45 Mpa		°F	288
Viscat Softening Temperature	ISO 306	°F	315
<b>Flammability</b>			
UL Listing	UL 94	min. thickness 0.015"	V-2
	UL 94	min. thickness 0.005"	VTM-2
Burn Rate	FMVSS302		≤100

# Product Data

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*For additional information please call  
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