

# DURASCAN® FILMS

*High-performing, versatile labels maintain their functionality after months of storage and handling*



**Mactac® offers a wide variety of medium to high sensitivity paper and film Direct Thermal products** that are ideal for use where high-reliability bar code scanning is required. Whether it's topcoating for added environmental resistance, or the ability to scan at higher wave lengths, Mactac has the facestock to meet your needs. By combining the appropriate facestock and adhesive to perform in your application, Mactac's product line offers you the solution.

**mactac®**   
technology that sticks

Properties	Durascan® N 3.1 Mil Matte White BOPP	Durascan L 3 Mil Matte White BOPP	Durascan S 3.2 Mil Matte White Polyolefin Synthetic	Smudge-proof Kimdura (90 Micron)	Durascan P 2.6 mil White Polystyrene Corona Treated	Durascan PCL* 2 Mil Clear Polystyrene Corona Treated	Durascan F 2 Mil White TC PET
<b>Outdoor Durability</b>	3-6 Months depending on UV light	6 Months - 1 Year	1-1.5 Years Outdoor	1-2 Years Outdoor	< 6 Months Outdoor	< 6 Months Outdoor	> One Year Outdoor
<b>Chemical Exposure</b>	Moderate	Excellent	Excellent	Excellent	Poor	Poor	Excellent
<b>Water Resistance</b>	Good	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
<b>Solvent Exposure</b>	Moderate	Good	Good	Good	Poor	Poor	Excellent
<b>Acid Resistance</b>	Good	Excellent	Excellent	Excellent	Good	Good	Excellent
<b>Alcohol Resistance</b>	Good	Excellent	Excellent	Excellent	Poor	Poor	Excellent
<b>UV Exposure</b>	Moderate	Good	Good	Good	Poor	Poor	Excellent
<b>Abrasion Resistance</b>	Good	Good	Good	Good	Good	Good	Good
<b>Smudge Resistance</b>	Good	Good	Excellent	Excellent	Good	Good	Good
<b>Overall Durability Rating</b>	Moderate	Good	Good	Good	Moderate	Moderate	Good
<b>Cost Requirement</b>	Low	Moderate	Moderate	Moderate	Low	Low	High
<b>Application Surface</b>	Semi-Conformable	Semi-Conformable	Semi-Conformable	Semi-Conformable	Rigid	Rigid	Rigid
<b>Markets</b>							
<b>General Durable</b>	✓	✓	✓	✓			✓
<b>Industrial</b>	✓	✓	✓	✓			✓
<b>Shelf Marking</b>	✓	✓		✓			
<b>Horticultural</b>	✓			✓	✓		
<b>Packaging Labels</b>	✓	✓	✓	✓	✓	✓	
<b>Shipping / Identification</b>	✓	✓	✓	✓	✓	✓	
<b>Medical</b>		✓	✓	✓			
<b>Drum Label</b>			✓	✓			✓
<b>Long Term Durable</b>				✓			✓
<b>Stock Products/Adhesive Information-Minimum Application Temperature &amp; Service Range</b>							
<b>General Purpose Permanents</b>							
<b>InFusion</b> +20°F (-7°C) App -65°F to +150°F Range	TN1701	TL1701-P5	DSS1701				
<b>710 VHP</b> +20°F (-7°C) App -65°F to +150°F Range					MT9007	MT9008-78 P-10	
<b>ST95</b> 25°F (-4°C) App -75° to +200°F Range	TN9501-P5, P10		DSS9501	KF9501 KF9511			MT9511
<b>High-Tack Permanents</b>							
<b>705VHP</b> +20°F (-7°C) App -65° to +150°F Range			DSS4501				
<b>705VHP Hvy Ct. Wt.</b> +20°F (-7°C) App -65° to +150°F Range							
<b>XT100</b> +32° F (0°C) App -75°F to +200°F Range		TL9601					
<b>Cold Temperature Permanents</b>							
<b>640AT</b> -20°F (-29°C) App -65°F to +200°F Range	TN2601	TL2601-P5					
<b>733</b> 0°F (-18°C) App -65°F to +150°F Range			DSS5001				
<b>Direct Food Contact</b>							
<b>711 VHP</b> +20°F (-70°C) App -65°F to +120°F Range		TL7001	DSS7001				
<b>Removable</b>							
<b>MR860 Removable</b> +25°F (-4°C) App -40°F to +200°F Range	TN8602						
<b>HR-51</b> +32°F (0°C) App -40°F to +200°F Range	TN5102						

Information above is general guidelines in selecting a Thermal Transfer Film. As always, Mactac strongly recommends extensive testing to determine suitability.

NOTE: Precise Parts are subject to change.

\* Human Readable Only



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