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PERFORMANCE GUIDE

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54# UV Inkjet Semigloss Brilliant White Semi-Gloss UV Inkjet

Revised: 01/2021 SLD

Description	Applications and End Uses																													
Product	<p>UVS9002 is a 54# brilliant white UV inkjet printable semi-gloss coated litho construction with a quick tack permanent adhesive and a 2.4 semi-bleached super calendared kraft liner. The entire construction converts and prints on wider webs at higher speeds than typical rubber based adhesive coated papers. Printable on: UV Inkjet, UV Flexo, Flexographic, Letterpress, Offset, and Silk screen.</p>																													
Face	<p>54# UV Inkjet is a brilliant white semi-gloss coated sheet for UV Inkjet applications with outstanding ink receptivity and high internal strength characteristics for high speed UV printing and converting. The sheet has exceptional smoothness, whiteness and opacity.</p> <p>Physical Properties Without Adhesive</p> <table border="1"> <tr> <td>Caliper, inches</td> <td>0.0027 +/- 10%</td> <td>TAPPI T-411</td> </tr> <tr> <td>Brightness % Reflectance at 75° angle</td> <td>88</td> <td>TAPPI T-452</td> </tr> <tr> <td>Gloss % Reflectance at 75° angle</td> <td>75</td> <td>TAPPI T-480</td> </tr> <tr> <td>Opacity</td> <td>86</td> <td>TAPPI T-425</td> </tr> <tr> <td>Parker Smoothness</td> <td>0.90</td> <td>TAPPI T-555</td> </tr> <tr> <td>Tear, grams</td> <td>40 MD 45 CD</td> <td>TAPPI T-414</td> </tr> <tr> <td>Tensile, lbs./in.</td> <td>32 MD 15 CD</td> <td>TAPPI T-494</td> </tr> <tr> <td>Gurley Stiffness</td> <td>89 MD 54 CD</td> <td>TAPPI T-543</td> </tr> <tr> <td>Basis Weight, lbs. (25" x 38"/500 sheets)</td> <td>55+/- 10%</td> <td>TAPPI T-410</td> </tr> </table>			Caliper, inches	0.0027 +/- 10%	TAPPI T-411	Brightness % Reflectance at 75° angle	88	TAPPI T-452	Gloss % Reflectance at 75° angle	75	TAPPI T-480	Opacity	86	TAPPI T-425	Parker Smoothness	0.90	TAPPI T-555	Tear, grams	40 MD 45 CD	TAPPI T-414	Tensile, lbs./in.	32 MD 15 CD	TAPPI T-494	Gurley Stiffness	89 MD 54 CD	TAPPI T-543	Basis Weight, lbs. (25" x 38"/500 sheets)	55+/- 10%	TAPPI T-410
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Adhesive	<p>710VHP is a permanent, rubber-based adhesive with excellent tack and ultimate adhesion to a variety of surfaces including polystyrene, polypropylene, polyethylene, paper and corrugate. Suitable for cold, damp labeling applications. Very good high speed and wider web converting.</p> <p>Physical Properties of Adhesive</p> <table border="1"> <tr> <td>Thickness, inches</td> <td>0.0007 +/- 10%</td> <td></td> </tr> <tr> <td>Peel Adhesion, lbs./in.</td> <td>Corrugate: 1.3 HDPE: 1.8 Stainless Steel: 2.7</td> <td>PSTC-101F (30 min. applied)</td> </tr> <tr> <td>Loop Tack (1"), lbs./in.</td> <td>Corrugate: 2.3 HDPE: 3.2 Stainless Steel: 4.8</td> <td>PSTC-16</td> </tr> <tr> <td>Temperature Ranges</td> <td></td> <td></td> </tr> <tr> <td>Minimum Application</td> <td>+20°F (-7°C)</td> <td>CTM #45 Curwood</td> </tr> <tr> <td>Service Ranges</td> <td>-65°F to +160°F (-54°C to +71°C)</td> <td>Polyester Film Dry Surface</td> </tr> </table>			Thickness, inches	0.0007 +/- 10%		Peel Adhesion, lbs./in.	Corrugate: 1.3 HDPE: 1.8 Stainless Steel: 2.7	PSTC-101F (30 min. applied)	Loop Tack (1"), lbs./in.	Corrugate: 2.3 HDPE: 3.2 Stainless Steel: 4.8	PSTC-16	Temperature Ranges			Minimum Application	+20°F (-7°C)	CTM #45 Curwood	Service Ranges	-65°F to +160°F (-54°C to +71°C)	Polyester Film Dry Surface									
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Liner	<p>A semi-bleached super calendared kraft (SCK) liner excellent for die cutting, stripping and label dispensing. Primarily for roll-to-roll applications.</p> <table border="1"> <tr> <td>Caliper, inches</td> <td>0.0024 +/- 10%</td> <td>TAPPI T-411</td> </tr> <tr> <td>Basis Weight, lbs. (24" x 36"/500 sheets)</td> <td>40 +/- 10%</td> <td>TAPPI T-410</td> </tr> </table>			Caliper, inches	0.0024 +/- 10%	TAPPI T-411	Basis Weight, lbs. (24" x 36"/500 sheets)	40 +/- 10%	TAPPI T-410																					
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CALL 1-800-548-3456 for additional product information



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Shelf Life One year when stored at 72° F and 50% R.H.

This product complies with CONEG regulations.

All MACTac Roll Label products meet the requirements of the Clean Air Act of 1990.

Note: *Mactac highly recommends sufficient testing on the material in its intended design prior to use. The values listed below represent testing performed on material that is currently in the experimental phase. Mactac does not certify this material in any way, nor, is it responsible to provide a corrective action for any non-conformances. In the event a provisional specification is created, Mactac has the right to make any changes necessary, until the qualification process is complete, and the final product specification has been approved.*

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