

TN2601

Thermal Transfer Film

Revised: 12/2017 KSM

Description	Applications and End Uses																							
Product	<p>TN2601 is a bright white BOPP film with an all temperature adhesive with a 2.4 semi-bleached super calendared kraft liner.</p> <p>Thermal transfer labels requiring durability and applied at various temperatures. Recommended for short outdoor durability labeling, shelf marking, parts and inventory labels and anywhere a strong, durable label is needed.</p>																							
Face	<p>A bright white BOPP film designed for thermal transfer as well as flexo printing.</p> <p>Physical Properties Without Adhesive</p> <table border="1"> <tr> <td>Caliper, inches</td> <td>0.0030+/- 10%</td> <td>TAPPI T-411</td> </tr> <tr> <td>Brightness</td> <td>92% Min</td> <td>TAPPI T-525</td> </tr> <tr> <td>Opacity</td> <td>80% Min</td> <td>TAPPI T-425</td> </tr> <tr> <td>Tensile, kg Min</td> <td>9 MD 16 CD</td> <td>TAPPI T-494</td> </tr> <tr> <td>Tear, kg Min</td> <td>24 MD 33 CD</td> <td>TAPPI T-414</td> </tr> <tr> <td>Basis Weight, lbs. (24" x 36"/500)</td> <td>42.5 +/- 10%</td> <td>TAPPI T-410</td> </tr> </table>			Caliper, inches	0.0030+/- 10%	TAPPI T-411	Brightness	92% Min	TAPPI T-525	Opacity	80% Min	TAPPI T-425	Tensile, kg Min	9 MD 16 CD	TAPPI T-494	Tear, kg Min	24 MD 33 CD	TAPPI T-414	Basis Weight, lbs. (24" x 36"/500)	42.5 +/- 10%	TAPPI T-410			
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Adhesive	<p>An all temperature acrylic adhesive that performs well in normal to freezer temperature applications. 640AT exhibits open time on some substrates (please test) and develops a permanent bond to a wide variety of substrates.</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>Average Peel Adhesion Stainless Steel</td> <td>2.6/lbs/inch</td> <td>PSTC-101/Method A MACtac CTM8</td> </tr> <tr> <td>30 minutes applied/180° angle.</td> <td></td> <td></td> </tr> <tr> <td>Loop Tack g/1"</td> <td>2.4 lbs/sq. inch</td> <td>PSTC-16/Method A MACtac CTM25</td> </tr> <tr> <td>Temperature Ranges</td> <td></td> <td></td> </tr> <tr> <td>Minimum Application</td> <td>-20° F (-29°C) on most surfaces</td> <td></td> </tr> <tr> <td>Service Ranges</td> <td>-40 to +200° F (-40 to +93°C)</td> <td></td> </tr> </table>			Thickness, inches	0.0007 +/- 10%		Average Peel Adhesion Stainless Steel	2.6/lbs/inch	PSTC-101/Method A MACtac CTM8	30 minutes applied/180° angle.			Loop Tack g/1"	2.4 lbs/sq. inch	PSTC-16/Method A MACtac CTM25	Temperature Ranges			Minimum Application	-20° F (-29°C) on most surfaces		Service Ranges	-40 to +200° F (-40 to +93°C)	
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Liner	<p>A semi-bleached super calendared kraft 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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Shelf Life	<p>One year when stored at 72° F and 50% R.H.</p>																							

The user is responsible for determining the product's suitability for all aspects of the application. If there are any questions about applications, please contact your MACTac sales representative to discuss your requirements for recommendations. If this is a printed Performance Guide, it is an uncontrolled document. Please check the MACTac website for the latest most up-to-date version at www.mactac.com.

*** NOTE: Thermal transfer printing quality and bar code scannability are dependent upon the interworking of several elements; the ribbon, the printhead and the facstock. Please test all applications. Consult MACTac's Technical Marketing Department for guidelines regarding printer and ribbon compatibility.**

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