

# AUTOTEX PC T

## Product Data Sheet

Hardcoated polycarbonate films



### DESCRIPTION

**Autotex PC T** is designed specifically for touchpad applications. Coated on high quality thick polycarbonate film, the MacDermid Autotype hardcoat is finished with a consistently smooth texture which is ideal for touchpads. The surface is abrasion and chemical resistant to give excellent longevity in use.



### PRODUCT RANGE

Film	Gauge	Sample
Autotex PC T280M	280µm	Touchpad texture on front surface. Print side has matt finish
Autotex PC T400L	400µm	Touchpad texture on front surface. Laminated on print side
Autotex PC T500L	500µm	Touchpad texture on front surface. Laminated on print side

### TYPICAL PROPERTIES

Property	Typical Value	Test Method
Haze <sup>1</sup>	90% ±5 % for T280M 60% ±5 % for T400 & T500	ASTM D1003
Total luminous transmission <sup>1</sup>	92 ± 2 %	ASTM D1003
Yellowness index <sup>3</sup>	≤1	ASTM E313
Gloss level (60°) <sup>1</sup>	6 ± 1 Gloss Units	ASTM D2457 (modified to Test method 022)


**TYPICAL PROPERTIES CONTINUED**

Property	Typical Value	Test Method
Rotary Taber abrasion	Does not penetrate hard coat	Test method 103 (CS10 wheels) <sup>1</sup>
RCA abrasion resistance <sup>1</sup>	> 300 cycles	ASTM F2357
Hardcoat adhesion <sup>3</sup>	Pass	Test method 080
Breakdown voltage <sup>2</sup> 280µm 400µm and 500µm	>30 kV/mm ≥60 kV/mm	ASTM D149
Tensile strength at break <sup>2</sup>	≥ 60 N/mm <sup>2</sup>	ASTM D882
Texture profile <sup>1</sup> Ra RSm	0.87 ± 0.15 µm 62 ± 14 µm	Test method 066
Thickness all grades <sup>1</sup>	Nominal ± 10%	Test method 096
Relative density <sup>2</sup>	1.2 g/cm <sup>3</sup>	ASTM D1505
Chemical resistance	Good hardcoat resistance to many common industrial solvents and household chemicals - please see <b>Autotex PC</b> Solvent Resistance Data sheets	

<sup>1</sup> For details of test method, please contact MacDermid Autotype

<sup>2</sup> Data derived from base film manufacturer's literature. The coating slightly enhances most properties

<sup>3</sup> Specification value

Note – performance characteristics may be subject to change



## CONTACT INFORMATION

To confirm this is the most recent issue, please contact **MacDermid Autotype**  
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