

# AUTOTEX PC F

## Product Data Sheet

Hardcoated polycarbonate films



### DESCRIPTION

**Autotex PC F** is designed specifically for touchpad applications. Coated on high quality thick polycarbonate film, the hardcoat is finished with the well-known fine texture which is ideal for touchpads. The surface is abrasion and chemical resistant to give excellent longevity in use.

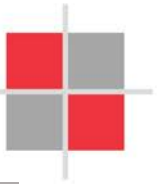


### PRODUCT RANGE

Film	Gauge	Sample
Autotex PC F400L	400µm	Autotex Fine texture on front surface. Laminated on print side
Autotex PC F500L	500µm	

### TYPICAL PROPERTIES

Property	Typical Value	Test Method
Haze <sup>1</sup>	58% ± 5 %	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>	7 ± 1.5 Gloss Units	ASTM D2457 (modified to test method 022)
Rotary Taber abrasion (CS10 wheels) <sup>1</sup>	Does not penetrate hard coat	Test method 103


**TYPICAL PROPERTIES CONTINUED**

Property	Typical Value	Test Method
RCA abrasion resistance <sup>1</sup>	>300 cycles	ASTM F2357
Hardcoat adhesion <sup>3</sup>	Pass	Test method 080
Breakdown voltage <sup>2</sup>	66.9 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	1.58 ± 0.33 μm 119 ± 35 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 refer to <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**  
[macdermid.com/autotype](http://macdermid.com/autotype)

North America	Europe	Asia
MacDermid Autotype Inc. 245 Freight Street Waterbury, CT 06702, USA (800) 323 0632 <a href="mailto:autotypeusinfo@macdermid.com">autotypeusinfo@macdermid.com</a>	MacDermid Autotype Ltd. Grove Road, Wantage, Oxon OX12 7BZ, UK +44 (0) 1235 771111 <a href="mailto:salesupport@macdermidautotype.com">salesupport@macdermidautotype.com</a>	MacDermid Autotype Pte Ltd. 14, Joo Koon Crescent, Singapore, 629014 +65 643 00701 <a href="mailto:autotype-asia@macdermid.com">autotype-asia@macdermid.com</a>

The information and recommendations in this publication are believed to be accurate and are offered in good faith but do not constitute specifications. Suggestions concerning uses and applications are only the opinion of MacDermid Autotype Limited and users should carry out their own testing procedures to confirm suitability for their purposes. Except in the case of death or personal injury caused by the materials, MacDermid Autotype Limited MAKES NO WARRANTY OF ANY KIND AND EXCLUDES ANY STATUTORY WARRANTY EXPRESS OR IMPLIED other than that materials conform to their current applicable standard specification. Statements herein therefore should not be construed as guarantees of satisfactory quality or fitness for purpose. The responsibility of MacDermid Autotype Limited for claims arising out of breach of guarantee, negligence, strict liability or otherwise is limited to the purchase price of the material. Suggestions concerning working practices and procedures are based on the practices adopted by existing users of the products and are made in good faith. IT IS THE RESPONSIBILITY OF THE USER TO ENSURE THAT ALL RELEVANT HEALTH AND SAFETY LAWS AND REGULATIONS ARE COMPLIED WITH. MacDermid Autotype Limited does not provide any advice on such laws and regulations and accepts no responsibility, express or implied, for breach of such regulations. Statements concerning the use of products described herein should not be construed as recommending the infringement of any patent and no liability for infringement arising out of such use is assumed.