

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 ¹	58% ± 5 %	ASTM D1003
Total luminous transmission ¹	92% ± 2 %	ASTM D1003
Yellowness index ³	≤1	ASTM E313
Gloss Level (60°) ¹	7 ± 1.5 Gloss Units	ASTM D2457 (modified to test method 022)
Rotary Taber abrasion (CS10 wheels) ¹	Does not penetrate hard coat	Test method 103



TYPICAL PROPERTIES CONTINUED

Property	Typical Value	Test Method
RCA abrasion resistance ¹	>300 cycles	ASTM F2357
Hardcoat adhesion ³	Pass	Test method 080
Breakdown voltage ²	66.9 kV/mm	ASTM D149
Tensile strength at break ²	≥60 N/mm ²	ASTM D882
Texture profile ¹ Ra RSm	1.58 ± 0.33 μm 119 ± 35 μm	Test method 018
Thickness all grades ¹	Nominal ±10%	Test method 096
Relative density ²	1.2 g/cm ³	ASTM D1505
Chemical resistance	Please refer to Autotex Solvent Resistance Data Sheets	

¹ For details of test method, please contact MacDermid Autotype

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

³ Specification value



CONTACT INFORMATION

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

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