RowTec® SC – PC1/PCH Polycarbonate Film

Product Description

RowTec® SC Polycarbonate Film, meet the growining demand for durable performance, precision and reliability required by manufactures of security and identity cards, passports, licenses and many other Secure Card applications.

RowTec® SC Film are an extension of the RowTec® family of Polycarbonate Films that for many years have been highly valued by customers around the world fort he most demanding precision graphic applications.

Surface Area

RowTec® SC is well-known for consistent quality and stability. RowTec® SC consists of three types of films: clear, white and laser markable. The clear films are available in thicknesses from 0,051 mm - 0,762 mm and deliver excellent clarity while the white films provide extremely high opacity for their thickness, which also ranges from 0,051 mm - 0,762 mm. The lase markable films are available in thicknesses from 0,051 mm - 0,635 mm.

Application Area

RowTec® SC Films have a unique surface texture designed specifically for Secure Card applications.

Technical Data

792 590 m²/kg/µm 570 % 785 R Scale 363 Scratch Hardness 542 N _D 003 % 003 % 925	1,20 833 0,32 118 8 1,586 89 0,5 < 1,0
590 m²/kg/µm 570 % 785 R Scale 363 Scratch Hardness 542 N _D 003 % 003 %	833 0,32 118 s B 1,586 89 0,5
570 % 785 R Scale 363 Scratch Hardness 542 N _D 003 % 003 %	0,32 118 s B 1,586 89 0,5
570 % 785 R Scale 363 Scratch Hardness 542 N _D 003 % 003 %	118 s B 1,586 89 0,5
363 Scratch Hardness 542 N _D 003 % 003 %	s B 1,586 89 0,5
542 N _D 003 % 003 %	1,586 89 0,5
003 % 003 %	89 0,5
003 % 003 %	89 0,5
003 %	0,5
925	< 1,0
MPa	72
MPa	60
638 %	150
MPa	2.400
004 N/μm	0,25 - 0,32
922 g /µm	1,18 - 2,15
774 Mullen, MPa	0,275 - 0,310
Double Folds	200
420 J	13
648 °C	142
637 °C	150
351 J/g/°C	1,26
177 W/m °C	0,20
696 cm / cm / °C	68,4 x 10 ⁻⁶
204 %	< 0.2
746 °C	-135
525 °C	152
149 kV/cm	670
150	3,00 / 3,00
150	0,001 / 0,002
257 Ω-cm	10 ¹⁷
Ω -cm ²	10 ¹⁵
	338 % 338 MPa 3004 N/μm 922 g /μm 774 Mullen, MPa Double Folds 420 J 348 °C 351 J/g/°C 351 J/g/°C 377 W/m °C 396 cm / cm / °C 396 cm / cm / °C 396 °C 397 % 398 cm / cm / °C 399 % 399 % 390 %

Footnotes: (1) Value for 0,025 mm film (2) Value for 0,250 mm film (3) Value for 0,762 mm film (4) Value measured for Gloss / Gloss film



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IMPORTANT NOTICE

All RowTec® products are subject to careful quality control throughout the manufacturing process and are warranted to be of merchantable quality and free from manufacturing defects. Published information concerning RowTec® products is based upon research, which the Company believes to be reliable although such information does not constitute a warranty. Because of the variety of uses of RowTec® products and the continuing development of new applications, the purchaser should carefully consider the suitability and performance of the product for each intended use, and the purchaser shall assume all risks regarding such use. All specifications are subject to change without prior notice.

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