

A421

HOTPAINTCARD

Description

A421 HotPaintCard is a double-sided coated, matt white "Efficiency Grade" recycled polyester film from 491g/m², specially formulated for use on digital presses and production laser printers.

Physical data

Property	Value	Unit	Test methods
Thickness	342 +/- 7	μ	Electronic micrometer
Weight	491 +/- 9	g/m ²	Internal test method
Opacity	>98	%	TAPPI T519
CIE whiteness	>110	N/A	ASTM E313 DCI Spectraflash (D65, 10° observer, UV incl.)
Gloss 60°	<4	%	BYK Gardner
Shrink	MD < 1,0 TD < 0,3	%	5 minutes @150° C (297mm length)
Tensile strength	MD 14 TD 17	KgF/mm ²	ASTM D882-83
Elongation at break	MD 115 TD 90	%	ASTM D882-83
Melting point	250	° C	ASTM E794-85
Operating temperature	-40 - +120	° C	Internal test method

MD = Machine direction / **TD** = Transverse direction

Recommended conditions

Usage	10° C-30° C, 40% - 55% RH
Storage	10° C-30° C, 40% - 55% RH
Shelf life	24 months after delivery (under recommended conditions)

Compatibility

Developed and suitable for small and large format digital presses and laser printers, both monochrome and multi-colour. On the machines, the user must determine the optimum setting and paper path. The thickness and weight of the material must be taken into account. The printable surface is suitable for offset printing (only with fully oxidizing inks).

Applications

The material has a smooth, matt surface with a top coating that ensures excellent print quality and toner adhesion. The material can be printed on both sides with a suitable printer.

- Thinner coating that is technically sufficient for printing
- Resistant to harsh weather conditions and industrial environments
- Water-resistant
- Tear-resistant and scratch-free
- Lamination and encapsulation is no longer necessary
- Not resistant to alcohol and chemical products

Disclaimer

Values shown in this document are averages only. For legal reasons, we emphasize that the information on this data is available as is and that Altec gives no guarantees with respect to the accuracy and completeness nor with respect to interpretations made on the basis of this information.