

## EXPERT 17B – 170g/m<sup>2</sup> Blue matt film

Expert 17B is a 170gsm 2-side blue matt aqueous coated polyester film, optimised for Production & Digital Press print applications.



### Physical characteristics

| Property            | Typical Value       | Unit                | Test Method                          |
|---------------------|---------------------|---------------------|--------------------------------------|
| Weight              | 170 +/- 5           | gsm                 | Internal Method                      |
| Thickness           | 130 +/- 5           | μ                   | Electronic Micrometer                |
| Opacity             | >81                 | %                   | TAPPI T519                           |
| Gloss 60°           | <4                  | %                   | BYK Gardner                          |
| Shrinkage           | MD <0.37<br>TD >0.1 | %                   | 5 minutes @ 150° C<br>(297mm length) |
| Tensile Strength    | MD 18<br>TD 20      | KgF/mm <sup>2</sup> | ASTM D882-83                         |
| Elongation at break | MD 180<br>TD 120    | %                   | ASTM D882-83                         |
| Melting Point       | 250                 | ° C                 | ASTM E794-85                         |
| Usage Temperature   | -40 to +120         | ° C                 | Internal method                      |

| Availability           | Sheets/Pack   |
|------------------------|---|
| A4                     | 100/500   |
| A3                     | 100/250   |
| SRA3                   | 100/250   |
| Recommended conditions |   |
| For use                | 10° C – 30° C, 40% - 55% RH                                     |
| For storage            | 10° C – 20° C, 20% - 55% RH                                     |
| Shelf life             | 24 months after delivery (under recommended storage conditions) |

### Compatibility

Suitable for most thermal transfer and dry toner (laser/LED/flash fusion) print processes, both mono and colour small-volume, mid-volume & production machines. On such machines the user must establish for themselves the optimum settings and paper path, being aware of the thickness and weight of the material. The printable surface is also suitable for screen print, offset litho (using only fully oxidising inks).

### Applications and characteristics

It has a smooth matt blue surface giving a strong dense image with excellent print adhesion and can be printed on both sides where equipment allows.

- ✓ Water resistant, wipeable and punchable.
- ✓ Ideal for presentations and signs - no protection necessary!
- ✓ Can also be used to create instruction manuals & documents for use in harsh environments and replaces the need for paper to be printed and then encapsulated.

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