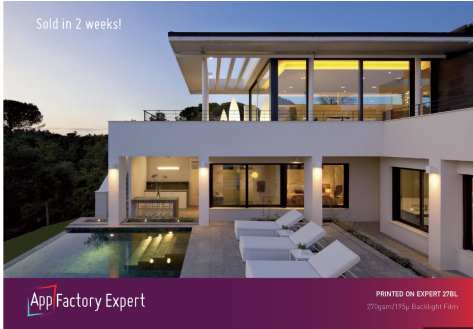# expert

EXPERT 27BL – 270g/m² Backlight film

Expert 27BL is a 270gsm 2-side aqueous diffuse coated polyester film, optimised for dry toner print applications.

Physical characteristics

Property	Typical Value	Unit	Test Method
Weight	262 +/- 6	gsm	Internal Method
Thickness	195 +/- 5	µ	Electronic Micrometer
Opacity	64 +/- 2	%	TAPPI T519
Gloss 60°	<4	%	BYK Gardner
Shrinkage	MD <1.3 TD <0.4	%	5 minutes @ 150° C (297mm length)
Tensile Strength	MD 14 TD 15	KgF/mm2	ASTM D882-83
Elongation at break	MD 115 TD 90	%	ASTM D882-83
Melting Point	250	° C	ASTM E794-85
Usage temperature	- 40 to 20	° 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 diffused surface giving a strong backlit image with excellent print adhesion and can be printed on both sides where equipment allows.

✓ Water resistant, wipeable and punchable.
✓ Ideal for presentations and backlit signs - no protection necessary!
✓ Also highly suitable for applications, such as Frosted Binder Covers and Menu or Wine List inserts.