

## EXPERT 49EF – 491/m<sup>2</sup> Efficiency Grade Recycled Synthetic Paper

Expert 49EF is a 491gsm 2-side white matt aqueous coated recycled polyester film, optimised for Production & Digital Press print applications.



### Physical characteristics

Property	Typical Value	Unit	Test Method
Total Thickness	342 +/- 7	μ	Electronic micrometer
Weight	491 +/- 9	g/m <sup>2</sup>	Internal method
Opacity	>98	%	TAPPI T519
CIE Whiteness	>110	CIE WI	ASTM E313 DCI Spectraflash (D65, 10° observer, UV incl.)
Gloss 60°	<4	%	BYK Gardner
Shrinkage	MD <1.0 TD <0.3	%	5 minutes @ 150° C (297mm length)
Tensile Strength	MD 14 TD 17	KgF/mm <sup>2</sup>	ASTM D882-83
Elongation at break	MD 115 TD 90	%	ASTM D882-83
Melting Point	250	° C	ASTM E794-85
Usage Temperature	-40 - +120	° C	Internal method

### 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 surface giving a strong dense image with excellent print adhesion and can be printed on both sides where equipment allows.

- ✓ For Production printers only - our thickest polyester matt white film
- ✓ Water resistant, wipeable and punchable.
- ✓ Ideal for membership cards, ID cards, vending machine cards, badges, and displays - no lamination or encapsulation necessary!
- ✓ Can also be used to create menus, tags, business cards & documents for use in harsh environments.

Availability Sheets/Pack	
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)

**NOTICE** The information provided herein is correct to the best of our knowledge. No liability for any errors, facts or opinions is accepted. You must satisfy yourself as to the suitability of this product for your application. No responsibility for any loss as a result of any person placing reliance on any material contained herein can be accepted.