



# Technical Data Sheet

## MATT WHITE POLYESTER PD-MWP-ST

### Matt White Polyester with a Supertack Adhesive

A matt white polyester (PET) specifically designed for use on 'hot fuse' printer systems and excellent durability. This material is ideal for high quality labels and tags, labels with high resolution barcodes and variable information labelling. Suitable for outdoor applications with good dimensional stability and ageing resistance.

#### Approvals:

The adhesive coating and backing paper meet the European Standard EN71/3:2018 "Safety of Toys" – Migration of certain elements.

#### Face material properties

Grammage 76 gsm  $\pm 4$   
Caliper (thickness) 60 microns  $\pm 3$

#### Adhesive

A water based emulsion acrylic permanent, with good adhesion on a wide range of surfaces.

Application temp.	+5°C	Peel adhesion	10.9 N/inch $\pm 1$ FINAT1
Operating temp.	-20°C to +90°C	Shear test	20h $\pm 5$ FINAT8
		Quick stick	7.6 N/inch $\pm 1$ FINAT9

#### Shelf Life and Storage Conditions

Two years from delivery date when stored at the following conditions:

- |  |   |
|--|---|
| <input type="checkbox"/> Temperature +5°C/+35°C      | <input type="checkbox"/> Store away from heaters or direct sunlight or rain |
| <input type="checkbox"/> Relative Humidity 45% - 60% | <input type="checkbox"/> Keep the sheets flat                               |
| <input type="checkbox"/> Store in a cool dry place   | <input type="checkbox"/> Store in the original packaging                    |

#### Backing

One side coated white kraft solventless silicon coated with good lay-flatness & stability characteristics.

Grammage 135 gsm  $\pm 7$  ISO 536  
Caliper (thickness) 130 microns  $\pm 8$  ISO 534

**Total Thickness of Construction** 204microns  $\pm 7\%$     **Total Weight of Construction** 230gsm $\pm 6\%$

**Printing tips:** To reduce the risk of static, fan the sheets apart and place sheets separately onto the stack to increase the amount of air between the sheets. Always trial new materials to determine suitability for printing and application. Remember to use the correct thickness settings for this material. If the sheet is being fed face down and the run is interrupted for short periods, it is advisable to turn the top two sheets over so that the plastic face is on top which will help to prevent moisture absorption. Replace unused material in the re-sealable bag provided.

#### Disclaimer:

All materials in the Perfect Digital range are manufactured to the highest quality standards and controls. Any material showing an evident manufacturing defect will be replaced promptly without charge. All statements, technical information and recommendations are based on industry standard tests procedures and practical experiences and believed to be reliable but do not constitute a guarantee or warranty. Preliminary tests are recommended for each new application. All information subject to change without notice