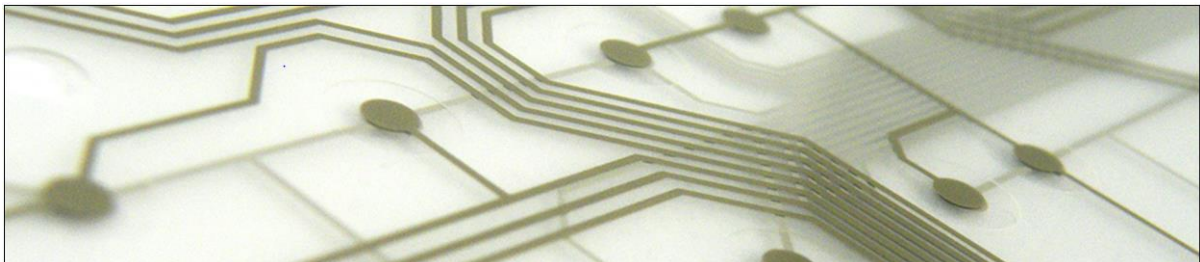


AUTOSTAT WP20

Heat Stabilized White Polyester

PRODUCT DESCRIPTION

Autostat WP20 is a heat stabilised white opaque polyester* film with a primer coating on one surface. The primed surface has a higher gloss level than the untreated surface. The film has a very low transparency and high brightness; it is therefore particularly suitable as a versatile print medium, offering outstanding high mechanical strength and good dimensional stability.



* The term polyester is the generic term for several different polymers, of which polyethylene terephthalate (PET) is the most common. PET is used in MacDermid Enthone polyester products.

READ ENTIRE TECHNICAL DATA SHEET BEFORE USING THIS PRODUCT

PRODUCT RANGE

Product	Gauge	Version
Autostat WP – heat stabilised opaque white, pre-primed polyester film	490 µm	WP20

TYPICAL PROPERTIES

Property	Typical Value	Test Method
Tensile strength ¹	MD ≥ 95 N / mm ² TD ≥ 100 N / mm ²	ISO 527-1-3
Whiteness (Berger) ¹	≥ 95, ≤ 130	ASTM E 308 Method A
Color ¹ L* a* b*	≥ 94.5, ≤ 99 ≥ -0.5, ≤ +0.3 ≥ -5.5, ≤ -1.5	ISO 7724
Thermal stability (130°C) ²	MD < 0.150% TD < 0.03%	Test Method 017
Coefficient of Linear thermal expansion ¹	2 x 10 ⁻⁵ K ⁻¹	-
Film thickness ²	490 μm ± 40 μm, to nearest whole μm	Test method PLAWP 003
Density ¹	1.395 g / cm ³	ASTM D 1505-68 Method C
Roughness R value ¹	45 nm	DIN 4762

Note: All evaluation results are obtained from lab produced samples at MacDermid Alpha Electronics Solutions. They are for general guidance only and do not represent the final product's properties.

¹ Data derived from base film manufacturer's literature

² Specification value

PRIMER

Autostat WP has an ink adhesion primer on one surface. The primed surface has a higher gloss level than the untreated surface.

The primer offers excellent adhesion to a wide range of solvent inks, but it is recommended that the customer verifies that the adhesion of their own ink is fit for purpose.

SHELF LIFE & STORAGE CONDITIONS

The recommended shelf life is 36 months from the date of manufacture. MacDermid Enthone guarantees a minimum remaining shelf life of 8 weeks at the time of despatch.

The recommended shelf life represents the maximum processing lifetime of the product from the date of manufacture when stored correctly and in unopened packaging.

The following storage conditions are recommended:

Storage Conditions	
Temperature	15 to 25 °C
Relative Humidity	50 to 65%
Packaging	Store in original protective packaging Once the packaging has been opened, the processing lifetime can be compromised due to air ingress, contamination or UV light
Moisture	Store away from water sources
Chemicals	Keep away from aggressive solvents
Stacking	For material $\leq 250 \mu\text{m}$ thick, 100 sheet packs should be stacked no more than 10 packs high

IMDS ID-No

By arrangement with our regulatory affairs team.

SAFETY & WARNING

It is recommended that the company/operator read and review the Safety Data Sheets for the appropriate health and safety warnings before use.

Safety Data Sheets are available.

WASTE TREATMENT

Prior to using any recommendations or suggestions for waste treatment, the user is required to know the appropriate local/state/federal regulations for on-site or off-site treatment which may require permits. If there is any conflict regarding our recommendations, local/state/federal regulations take precedent.

CONTACT INFORMATION

To confirm this document is the most recent version, please contact

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Also read carefully warning and safety information on the Safety Data Sheet. This data sheet contains technical information required for safe and economical operation of this product. READ IT THOROUGHLY PRIOR TO PRODUCT USE. Emergency safety directory assistance: US +1 202 464 2554, Europe + 44 1235 239 670, Asia + 65 3158 1074, Brazil 0800 707 7022 and 0800 172 020, Mexico 01800 002 1400 and (55) 5559 1588

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