

AUTOSTAT CUS

Product Data Sheet

Clear, slip treated polyester film with low residual heat shrinkage

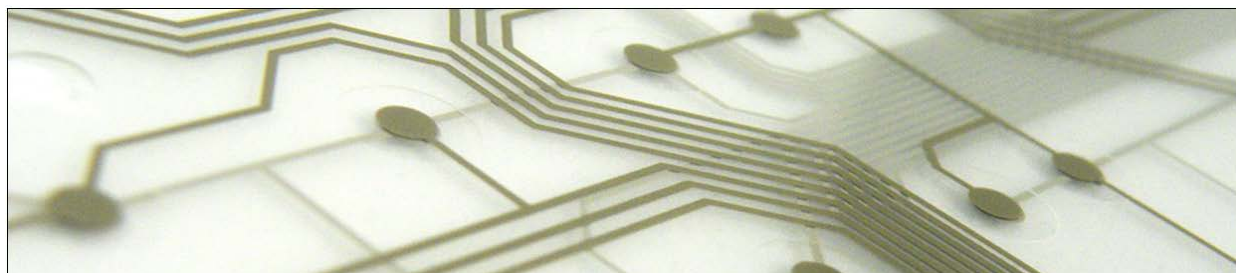


DESCRIPTION

The **Autostat** range of polyester* films are heat-stabilised to give low residual shrinkage at elevated temperatures. This is essential when tight registration tolerances need to be maintained during multiple printing operations.

Autostat CUS is a high quality, clear, heat stabilised polyester film, with a slip treatment on both sides for excellent film handling characteristics. It is available in sheets and rolls, with tight dimension and squareness tolerance, and excellent lay flat for accurate print registration.

Applications include: flexible circuitry, membrane switch circuitry, flexible flat cables, sensors and RFID antennae.



PRODUCT RANGE

Product	Gauge	Version
Autostat CUS	125 µm	CUS5

PRIMER

Autostat CUS is slip-treated only.

Please select inks designed for use with non-primed polyester.



TYPICAL PROPERTIES

Property	Typical Value	Test Method
Haze ¹	1.6%	ASTM D1003
Tensile strength at break ¹	200 N/mm ²	ASTM D882
Elongation at break ¹	142%	ASTM D882
Roughness (R _a) ¹	9nm	DIN 4768
Dimensional stability ^{2,3}	MD ± 0.2% max @ 150°C/30 minutes TD ± 0.08% max @ 150°C/30minutes	Test Method 094
Thickness all grades ¹	Nominal 125µm	Test method 096
Recommended maximum processing temp.	150°C	Test method 012
Chemical resistance	Chemical resistance of polyester is generally good but has not been extensively tested for circuitry applications	

¹ Data derived from base film manufacturer's literature

² Specification value

³ For details of test method, please contact MacDermid

*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 Autotype High Performance Film Systems polyester products.

Note – Performance characteristics may be subject to change



CONTACT INFORMATION

To confirm this is the most recent issue, please contact MacDermid Autotype

www.macdermid.com/autotype

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