

Autostat HT5

Product data sheet

PRODUCT DESCRIPTION

Autostat™ HT5 is a hazy, heat stabilised polyester film with low residual shrinkage at elevated temperatures. This is an essential characteristic when tight registration tolerances need to be maintained during manufacturing using multiple print and converting processes.

Autostat™ HT5 can be converted to a sheet or roll format from a 1245cm width to meet specified requirements.

Product range:

Autostat™ HT5

Hazy, adhesion treated on both sides, 125 micron

PRODUCT APPLICATIONS

Autostat™ is used for the manufacture of printed electronics, membrane and conventional flexible circuitry layers.

THERMAL PROPERTIES

Property	Specification	Test Method
Dimensional stability	MD $\leq 0.2\%$ max TD $\pm 0.08\%$ max + indicates expansion - indicates shrinkage	Tested @150°C/30 minutes using MacDermid Autotype Method PLAWP 017

MECHANICAL PROPERTIES

Property	Typical values	Test Method
Elongation at break ¹	MD/TD 150%	ASTM D882
Tensile strength at break ¹	MD/TD 19 daN/mm ²	ASTM D882

¹ This data is typical of polyester films and is derived from base film manufacturer's literature

OPTICAL PROPERTIES

Property	Typical values	Test Method
Gardner Haze ¹	15.5%	ASTM D1003

¹ This data is typical of polyester films and is derived from base film manufacturer's literature



PHYSICAL PROPERTIES

Property		Test Method
Maximum processing temperature	150 °C	
Thicknesses ¹	Nominal 125 µm	

¹ This data is derived from base film manufacturer's literature

LEGISLATIVE DIRECTIVES

This product does not knowingly contain any phthalates, or substances listed in the European End-of-Life Vehicles (ELV), Restriction of the use of certain Hazardous Substances in electrical and electronic equipment (RoHS) or Waste Electrical and Electronic Equipment (WEEE) Directives.

EC Regulation 594/91 classifies ozone depleting substances into a number of different groups, I-VI. Autostat® does NOT contain any substance classified in groups I-VI nor have any of the substances been used by MacDermid Autotype during manufacture. For details of the content of each of the groups, please see separate ozone depleting substances document.

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