



Materials Datasheet

Cover Tape Type 5.3 Heat Seal Adhesive

PRODUCT DESCRIPTION

Reel Service Limited Type 5.3 cover tape provides a strong, transparent material for high cover tape clarity. This offers users high accuracy capabilities for in-pocket automated inspection operations.

This advanced tear resistant antistatic cover tape also provides an excellent value and consistent peel strength measurements covering a wide range of carrier tape materials.

WARRANTY STATEMENT

All products come with a one year limited warranty.

OTHER PRODUCTS AND SERVICES AVAILABLE

We offer a complete range of all materials necessary for tape and reel operations including: carrier tape materials, cover tapes, humidity indicator cards, moisture barrier bags, desiccant and other sundry semiconductor finishing materials. Also available from our company is a full subcontract Tape & Reel packaging and device programming service.

Please contact our customer service team for further information on our complete range of tape and reel products and services.

Disclaimer:

The information provided is accurate to the best of the company's knowledge or is obtained by sources believed by the company to be accurate and does not imply any legally binding assurance.

The Company reserves the right to introduce to the above product(s) without prior notice.

BASE MATERIAL

Translucent Polyester

SEALING TEMPERATURE AND PRESSURE

The recommended temperature range for sealing Type 5.3 cover tape is 160 – 180 degrees Celsius dependent upon carrier tape material. This temperature range is based on a tape advance speed of 4.2 metres/minute and pressure of 15 – 30psi. Further information is available through our customer service departments.

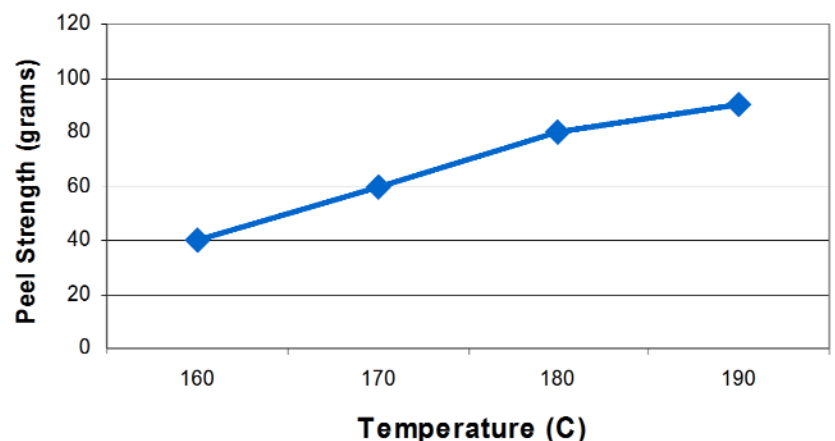
STORAGE CONDITIONS

Recommended storage conditions for Type 5.3 cover tape include storage indoors in original packaging away from direct sunlight and in a dust free environment. Type 5.3 cover tape should be stored within a temperature range of 18° to 35°C (64° to 95°F) and relative humidity levels between 35% - 65%.

SHELF LIFE

Type 5.3 cover tape has a shelf life of 3 years when stored under recommended storage conditions.

Typical Peel Strength (Mean)



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PROPERTIES		
Description	Unit of Measure	Type 5.3
Tape Type		Heat Activated
Surface Resistivity	Ohm/square	Less than 1×10^{12}
Adhesive Layer		Polyethylene
Total Thickness	Micron	62
Width Tolerance	+/-mm	0.1
Colour		Transparent
Tensile Strength	MPa	56
Elongation	%	134
Tearing Strength	N/mm	150
Haze	%	17
Luminous Transmittance	%	90
Internal Roll Diameter	mm	76.2 -0/+1mm
External Roll Diameter	mm	218

SIZES AVAILABLE			
Tape Width Tolerance +/- 0.10mm	Metres Per Roll	Rolls per Pack	Ordering Ref
5.40mm	480	25	ST53H5448
9.50mm	480	15	ST53H9548
13.50mm	480	10	ST53H13548
21.00mm	480	6	ST53H2148
21.50mm	480	6	ST53H21548
25.50mm	480	6	ST53H25548
26.50mm	480	5	ST53H26548
37.50mm*	480	4	ST53H37548
38.00mm	480	4	ST53H3848
49.50mm	480	3	ST53H49548
65.50mm	480	2	ST53H65548
81.50mm*	480	2	ST53H81548
97.50mm*	480	1	ST53H97548
113.50mm*	480	1	ST53H1135

*These items are available by special order only

CUSTOMER SERVICE

Our customer service and technical support teams can assist in all aspects of specifying and sourcing your entire in-house tape & reel material requirements including carrier tape, cover tape, reels & moisture protection products.

For further assistance, please contact our Customer Service Department at the email address below.