



## Materials Datasheet

## Carrier Tape Type Y

### PRODUCT DESCRIPTION

Reel Service Limited Type Y carrier tape is a static dissipative clear base material ideal for applications requiring visual clarity and ESD protection. This transparent antistatic coated polystyrene provides strength for strong, stable, high precision pocket formation. Type Y material enables excellent visual clarity and high measurement accuracy for automated vision inspection operations.

This high quality base material offers users an easy to seal carrier tape with our full range of cover tape materials whilst providing added ESD protection for product.

### 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.

### BASE MATERIALS

Clear antistatic polystyrene.

### COVER TAPE COMPATIBILITY

Type Y is compatible with the full range of Advanced Integrated. Materials heat seal and pressure sensitive cover tapes.

### SUPPLY FORMAT OPTIONS

With the emphasis on maximizing productivity and reduced cost, Reel Service carrier tape is available in a wide range of reel sizes and winding formats.

- Standard 22" (560mm) diameter with optimised meterage for minimum waste (meterage varies according to Ko dimension).
- Unique 36" (915mm) reels offer the ideal combination of increased length to minimize down time and waste. Ideal for deep Ko tapes-e.g. connector tape (meterage up to 200 linear metres).
- Cross wind reels with maximum 330mm hub width and 22" (560mm) diameter are available for large volume applications providing a typical length over 380 linear metres.
- 13" (330mm) reels may provide the best option for zero waste small quantity requirements (ISO 14000 friendly).

RSL's recyclable reinforced cardboard reels are manufactured with multiple windows to allow the user easier monitoring of carrier tape quantities and are pre-creased to provide a rigid, protective flange structure

### TAPE WIDTHS

Our Type Y material is available in carrier tape widths from 8mm to 120mm.

### STORAGE CONDITIONS

Recommended storage conditions for Type Y carrier tape include storage indoors away from direct sunlight within a temperature range of 18 to 35 C (64 to 95 F) and relative humidity levels between 35% - 65%.

### SHELF LIFE

Type Y carrier tape has a shelf life of up to 2 years when stored under recommended storage conditions

### PROPERTIES

| Description           | Unit of Measure    | Typical Result          |
|-----------------------|--------------------|-------------------------|
| Modulus of Elasticity | Kg/cm              | 12900                   |
| Yield Point           | Kg/cm <sup>2</sup> | 300                     |
| Elongation at Break   | %                  | 30                      |
| Break Point           | Kg/cm <sup>2</sup> | 150                     |
| Surface Resistivity   | Ohms/square        | <1 x 10 <sup>e</sup> 12 |
| Camber                | mm/100mm           | <1                      |
| Thickness             | mm                 | 0.30                    |
|                       |                    | 0.35                    |
|                       |                    | 0.40                    |
|                       |                    | 0.50                    |
| Haze                  | %                  | 12.5 - 16               |

### 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.

### 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 at any time improvement to the above product(s) without prior notice.