

## CARRIER TAPE TYPE E

### PRODUCT DESCRIPTION

Advanced Integrated Materials Type E carrier tape provides a conductive base material ideal for electronic components requiring ESD protective packaging and complex pocket design.

Type E materials offers superior formability for maximum definition in high precision pocket designs. This high quality conductive base material maintains its stability in a wide range of storage conditions and provides users a consistent, easy to seal carrier tape when used with our full range of cover tape materials.

### BASE MATERIALS

Black, conductive polystyrene

### COVER TAPE COMPATIBILITY

Type E material 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, AIM's carrier tape is available in a wide range of reel sizes and winding formats.

- Standard 22" (560mm) diameter with optimised metreage for minimum waste (metreage 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 (metreage 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).

AIM'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 E material is available in carrier tape widths from 8mm to 120mm.

### STORAGE CONDITIONS

Recommended storage conditions for Type E 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 E carrier tape has a shelf life of up to 4 years when stored under recommended storage conditions

PROPERTIES		
Description	Unit of Measure	Typical Result
Specific Gravity		1.07
Tensile Strength	MPa	25
Elongation at Break	%	70
Surface Resistivity	Ohms/square	<10e6
Reflectivity	%	<25
Impact Strength	Kg-cm	77
Camber	mm/100mm	<1
Modulus of Elasticity	MPa	1300
Thickness*	mm	0.30
		0.35
		0.40
		0.50
Tear Strength	N/mm	100
Flexural Strength	No. of Cycles	840
Vicat Softening	Degrees C	110

\*Other thicknesses are available on request by special order



### Customer Service

Our customer service and technical support teams can assist in all aspects of specifying and sourcing your entire in-house taping requirements.

Our extensive open tooling database is utilised to search for available exact fit carrier tapes.

Advanced Integrated Materials design carrier tapes for all standard and non-standardised components and can assist in cover tape and KLIK REEL recommendations. Materials required for in-house tape & reel and finished goods operations are also supplied.

Please contact our customer service department at the address below.

### Warranty Statement

All products come with a one year limited warranty.

### Other Products and Services Available

In addition to our carrier tapes, we offer a complete range of all materials necessary for tape and reel operations including: KLIK REELS, 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 & Reel products and services.



### Enquiries:

Tape & Reel - Carol Grant [cgrant@reelserviceltd.com](mailto:cgrant@reelserviceltd.com)  
 Device Programming – Carol Grant [cgrant@reelserviceltd.com](mailto:cgrant@reelserviceltd.com)  
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