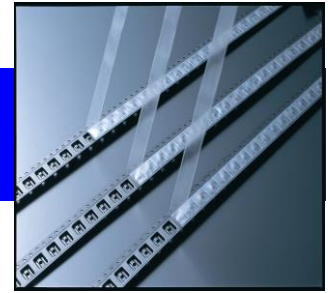


## COVER TAPE DENKA THERMOFILM ALS



DENKA THERMOFILM ALS is a heat seal cover tape for carrier tape and has a good sealing property.

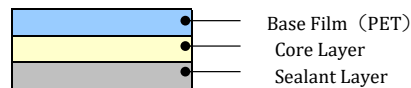
### FEATURES

- Peels off with a steady force, easy to adjust sealing parameters for the optimal fit.
- Various grades are available to meet different requirements.
- Made of various carrier tape materials (PS, PC, PET, PVC) with excellent seal performance.
- ALS-ATA, TIST-100, 300 grade : High transparency, excellent visibility of contents.
- ALS-ATA, MT8, TIST-100, 300 grade :  
Since frictional electrification of ALS-ATA with an epoxy mounding compound component is relatively small, ALS-ATA is suitable to prevent small components from electrostatic adhesion.
- MT8, TIST-300 grade : Excels in high speed sealing performance.
- TIST-300 grade : Due to conductivity, TIST-300 performs high surface resistance performance even in low humidity.

### USE

Transporting of electronic parts and semiconductors

### STRUCTURE



### Characteristics

ITEMS	UNITS	TEST METHOD	ALS-S	ALS-AS	ALS-ATA	TIST-100	ALS-MT8	TIST-300
Color	—	—	Milky-white	Milky-white	Clear	Clear	Clear	Clear
Thickness	mm	—	0.062	0.062	0.062	0.057	0.053	0.051
Surface Resistance		JIS K 6911						
Base Surface	$\Omega/\square$	23°C	$10^{12}<$	$10^9$	$10^9$	$10^9$	$10^{10}$	$10^{10}$
Shield Surface		50%RH	$10^{12}<$	$10^9$	$10^9$	$10^{10}$	$10^{10}$	$10^8$
Haze	%	JIS K7136	50	60	17	20	34	20
Total Light Transmittance	%		60	60	90	90	90	90
Tensile Breaking Strength	MPa	No.5 Tdumbbell	50	50	60	60	60	60
Shieldable Carrier Tape Material			PS, PC, PVC, PET					

### Denka Thermofilm / Carrier Tape Sheet Material Table

Cover Tape / Base Tape		DENKA Thermosheet EC (Electrical Conductivity)				Denka Clearen C
		EC-R Conductive PS Standard	EC-M3 High Intensity Low Pollution	EC-AP2 Ultra High Intensity Ultra Low	EC-TP2 Antistatic	CST-2401 Transparent Good Molding Ability
Unprocessed	ALS-S Standard (Non-antistatics)					○
Antistatic	ALS-AS Standard (Antistatics)	○	○	○		○
	ALS-ATA Clear and Antistatics	○	○	○	○	○
	TIST-100 Clear and Rapid Sealing	○	○	○	○	○
Conductivity	ALS-MT8 Antistatics and Rapid Sealing	○	○	○	○	○
	TIST-300 Conductive and Rapid Sealing	○	○	○	○	○

#### 《Notice》

- All data in this sheet are typical values in the test, but not for implied warranty.
- Each user of denka products assumes its own responsibility to properly determine the manner and suitability of use of products in its own operations.

Denka Co., Ltd <http://www.denka.co.jp>  
High Functional Films Dept.  
Electronics & Innovative Products

Nihonbashi Mitsui Tower 1-1, Nihonbashimuro-machi 2-Chome, Chuo-ku,  
Tokyo, 103-8338 Japan TEL : +81-3-5290-5543, FAX : +81-3-5290-5306