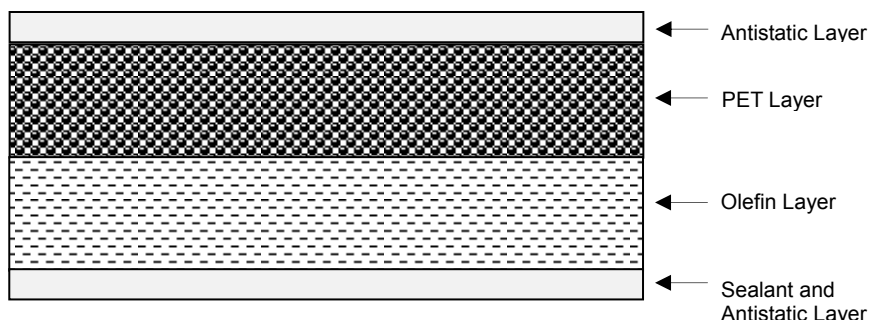


# TECHNICAL DATA SHEET, KAH1-SD SERIES

## 1. INTRODUCTION

The Seal-Pack Heat Seal Activated Cover Tape is manufactured using Antistatic Polyethylene Terephthalate Film and other proprietary adhesive materials. The components for its anti-static properties is from high polymers that eliminates the use of metallic elements. The seal strength between Seal-Pack Cover Tape and Carrier Tape remains consistent even after a long term and challenging storage conditions, and KAH1-SD series is designed for all Carrier Tape materials such as PP, PS and PC sheets.

## 2. COVER TAPE STRUCTURE



## 3. MATERIAL PROPERTY

PROPERTIES	ASTM METHODS	UNIT	VALUES
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### PERMANANCE

THICKNESS	Micro Gauge	um	50 +/- 5
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### MECHANICAL

TENSILE STRENGTH	D638	Kgf/cm <sup>2</sup>	860 +/- 20
TENSILE ELONGATION	D638	%	70 +/- 15
TEAR STRENGTH	D1004	Kgf/cm	100 Min
LUMINOUS TRANSMITTANCE	D1003	%	90 +/- 5
HAZENESS	D1003	%	< 15

### ELECTRICAL

SURFACE RESISTIVITY (@23°C/60% RH)	D257	10EΩ/sq	10E5~10E10
TRIBO-ELECTRIC CHARGE	-	V	< 50
STATIC DECAY TIME	MIL-B-81705C	sec.	< 0.2

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## 4. P.O.S RESPONSE TREND BY TEMPERATURE AND PRESSURE

### Test Condition

Environment : Normal production environment

P.O.S Testing Machine : Systemation TP150

Test Strip Length : 12 in.

Machine Setting : Speed : 300mm/min

Sealing Mode : Stamping

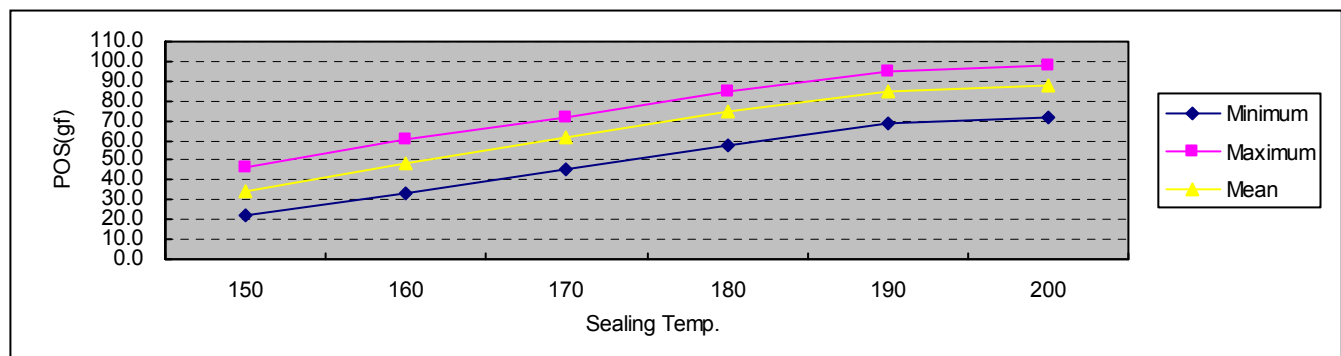
Sealing Pressure : 40 PSI

Test Vehicle : 16mm conductive PS carrier Tape

Sealing Machine : Systemation MT30

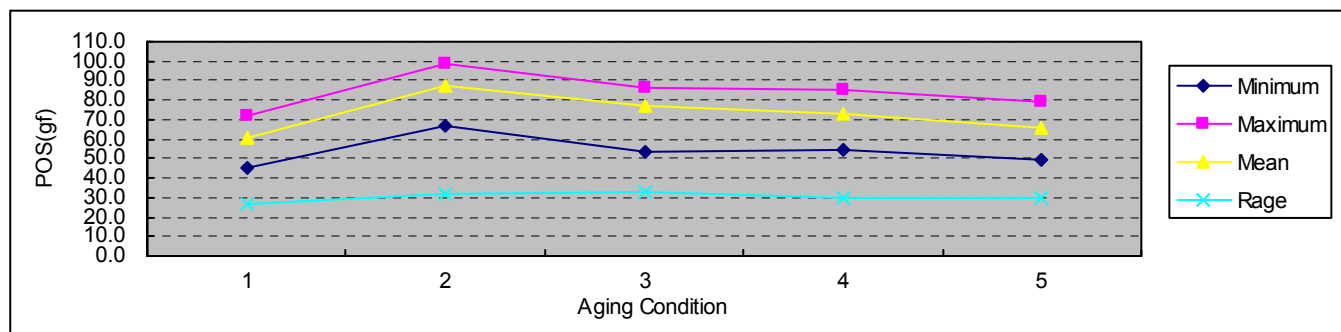
Seal Shoe Width : 18 mils

Tape Size	Sealing Pressure (PSI)	Sealing Temp. (°C) Values	P.O.S					
			150	160	170	180	190	200
16mm	40	Minimum	22.0	33.0	45.0	58.0	69.0	72.0
		Maximum	46.0	61.0	72.0	85.0	95.0	98.0
		Mean	34.4	48.6	61.1	74.8	84.9	87.5
		Range	24.0	28.0	27.0	27.0	26.0	28.0



## 5. AGING TEST PERFORMANCE

Tape Size	Sealing Pressure (PSI)	Aging Condition Values	P.O.S				
			1	2	3	4	5
			0 Hrs. (@Ambient /Ambient)	500 Hrs. (@60°C /Dry)	500 Hrs. (@40°C /95%)	500 Hrs. (@25°C /Ambient)	16 Hrs. (@-55°C /Ambient)
16mm	40	Minimum	45.0	67.0	53.0	55.0	49.0
		Maximum	72.0	99.0	86.0	85.0	79.0
		Mean	61.1	87.3	77.5	73.1	65.3
		Range	27.0	32.0	33.0	30.0	30.0



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## 6. SHELF LIFE AND STORAGE CONDITIONS

CHEMINIX Seal-Pack Cover Tape has a shelf life of 2 years from the date of manufacture. The cover tape, however, has to be kept at recommended storage condition.

CHEMINIX recommends storing the product at an environment where the temperature is between 20 to 30 °C and relative humidity under 60%. It is best for the product to be kept in it's unopened container and to be opened only when ready to use.