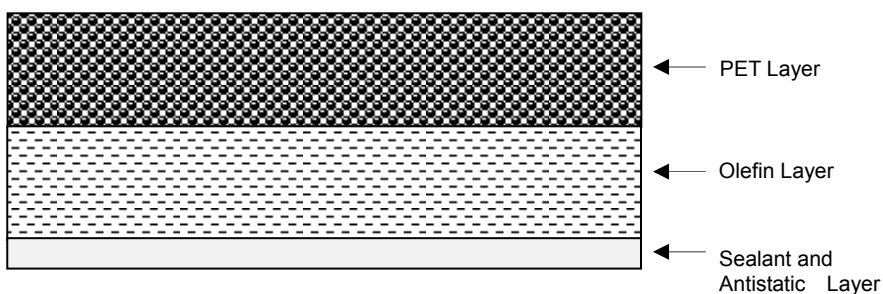


# TECHNICAL DATA SHEET, CHA-101 SERIES

## 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 CHA-101 series is designed for PET sheets.

## 2. COVER TAPE STRUCTURE



## 3. MATERIAL PROPERTY

PROPERTIES	ASTM METHODS	UNIT	VALUES
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### PERMANANCE

THICKNESS	Micro Gauge	um	55 +/- 5
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### MECHANICAL

TENSILE STRENGTH	D638	Kgf/cm <sup>2</sup>	650 +/- 50
TENSILE ELONGATION	D638	%	50 +/- 5
TEAR STRENGTH	D1004	Kgf/cm	100 Min
LUMINOUS TRANSMITTANCE	D1003	%	90 +/- 5
HAZENESS	D1003	%	< 15

### ELECTRICAL

SURFACE RESISTIVITY - Sealant Layer only	D257	10EΩ/sq	10E5~10E12
TRIBO-ELECTRIC CHARGE	-	V	< 50
STATIC DECAY TIME	MIL-B-81705C	sec.	< 0.2

# TECHNICAL DATA SHEET, CHA-101 SERIES

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

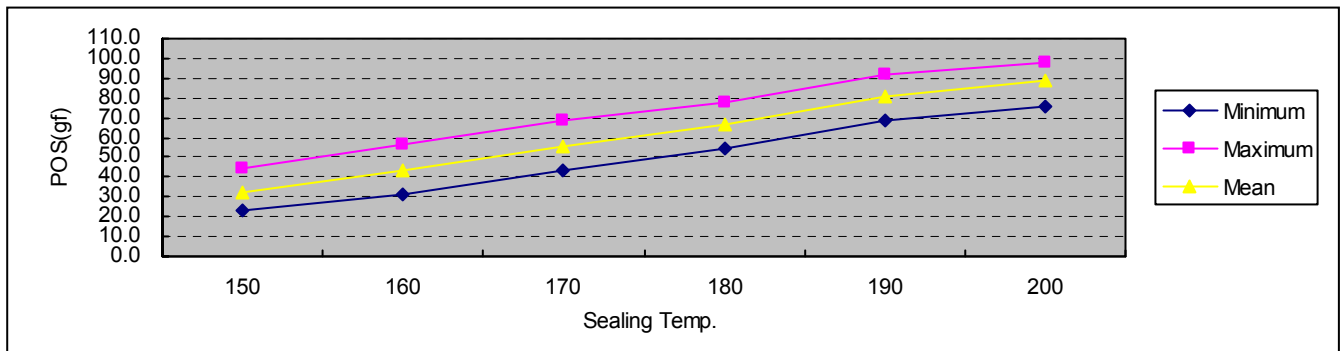
### Test Condition

Environment : Normal production environment  
P.O.S Testing Machine : Systemation TP150  
Test Strip Length : 12 in.

Test Vehicle : 16mm conductive PET carrier Tape  
Sealing Machine : Systemation MT30  
Seal Shoe Width : 18 mils

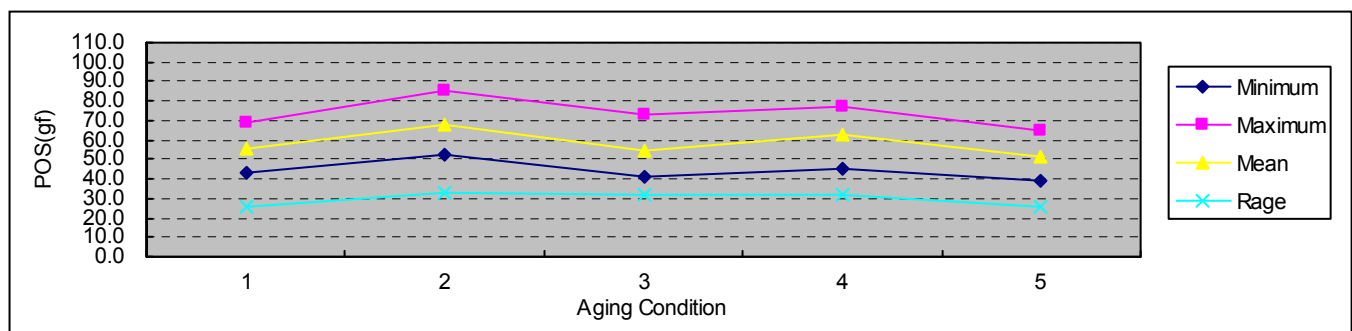
Machine Setting : Speed : 300mm/min  
Sealing Mode : Stamping

Tape Size	Sealing Pressure (PSI)	Sealing Temp. (°C) Values	P.O.S					
			150	160	170	180	190	200
16mm	40	Minimum	23.0	31.0	43.0	55.0	69.0	76.0
		Maximum	44.0	57.0	69.0	78.0	92.0	98.0
		Mean	32.0	43.0	56.0	67.0	81.0	89.0
		Range	21.0	26.0	26.0	23.0	23.0	22.0



## 5. AGING TEST PERFORMANCE

Tape Size	Sealing Temperature Pressure	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	170 / 40	Minimum	43.0	52.0	41.0	45.0	39.0
		Maximum	69.0	85.0	73.0	77.0	65.0
		Mean	56.0	68.0	54.0	63.0	51.0
		Range	26.0	33.0	32.0	32.0	26.0



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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.