

New Product

Prescale for High Temperature Super Low Pressure (LLW)

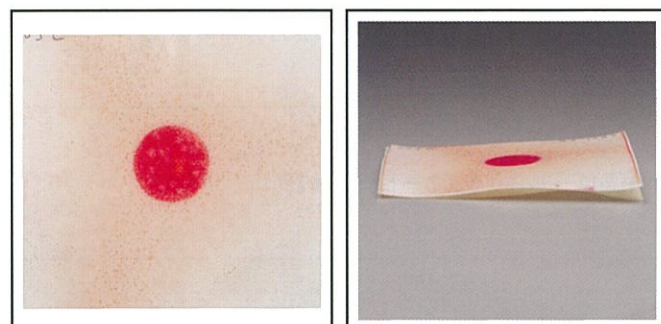
Pressure measurement for heat pressing made possible.

Prescale has a long-established track record in various industries. The new Prescale for High Temperature has been released to support users looking for a product that can be used during heat pressing and other heat-based processes.

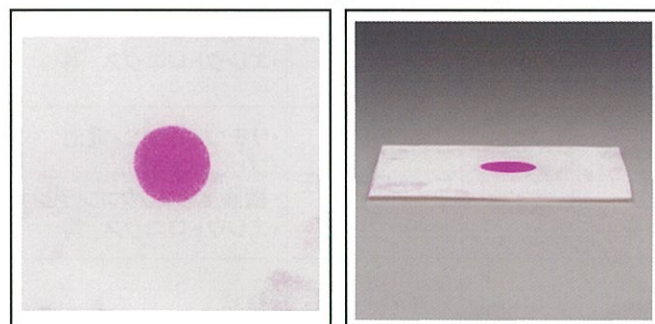


Visually inspect pressure levels and distribution

Standard Prescale



Prescale for High Temperature



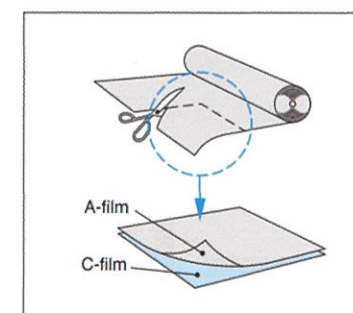
* This is an image

Heat-induced color development and base deformation are significantly reduced compared to standard Prescale products

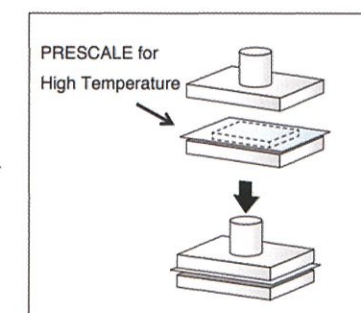
Benefits

- Enables highly-accurate pressure distribution measurement under conditions closer to actual manufacturing conditions.
- Reduces required heating and cooling time for manufacturing equipment, contributing to improved productivity.

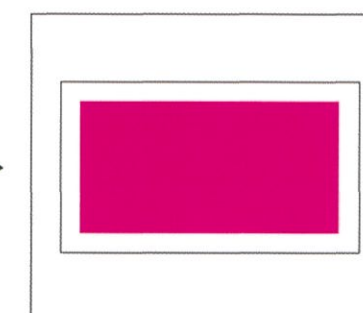
Usage instructions



1. Cut the Prescale to the shape to be measured



2. Place the cut Prescale in the measurement location and apply pressure

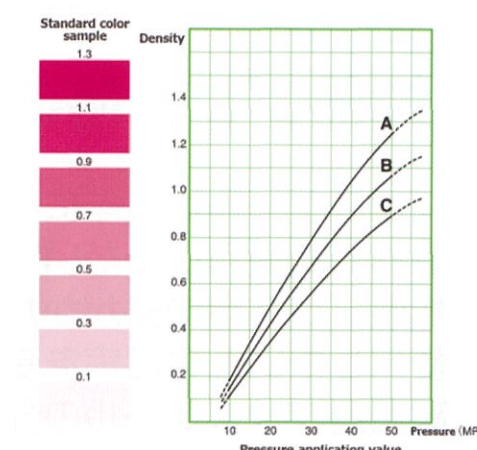


3. Remove the film and visually inspect the pressure distribution

Specifications / Pressure chart

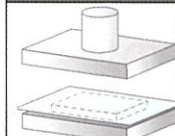
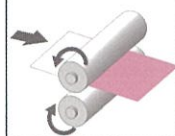
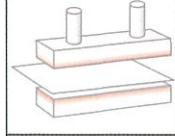
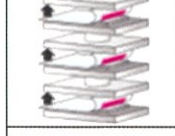
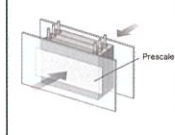
Pressure values under high-temperature conditions can be confirmed visually by checking the standard chart included with the product.

Product size	270mm × 6m
Pressure range	0.5MPa~2.5MPa/73~363psi
Recommended heating temperature	180°C~220°C/356~428°F (double-sided heating)
Accuracy	±10% or less (measured by densitometer)



* Pressure chart for standard Prescale

Application examples

Example of measurement types	Industries	Applications
 Heat press pressure	- Automotive - Injection molding - Electronics etc.	- Check the level and distribution of pressure applied by heat presses.
 Heated nip pressure	- Li-ion battery - PCB - Ceramic devices - Electronics etc.	- Check the pressure applied by heated rollers and laminators.
 Heat sealing pressure	- Food - Pharmaceutical - Other packaging etc.	- Check heat-sealing devices for misalignments and distortions.
 Heated lamination pressure	- PCV - Ceramic devices - Li-ion battery - Electronics etc.	- Check the evenness and uniformity of contact of high-temperature laminator molds.
 Compression pressure	- PCB - Li-ion battery - Electronics etc.	- Check the level and distribution of pressure applied by high-temperature compression presses. - Check the compression pressure caused by battery expansion during charging and discharging processes under high-temperature conditions.