

Soken Tape SM-0420NH

Ver.04

Technical Data Sheet

Nov-2021

General Description Soken Tape SM-0420NH is a toluene free Non-woven based single-sided tape. Low VOC double-sided tape $t=0.12\text{mm}$ which has a high adhesion to various materials is laminated to black non-woven material $t=0.4\text{mm}$. Total VOC content is far lower than ordinary products and it reduce influences on environments human body and human bodies.

Product Construction

Black Non-woven Material ($t=0.4\text{mm}$)Double-sided tape ($t=0.12\text{mm}$)

White release paper

Total thickness : $0.520 \pm 0.062\text{mm}$

- Characteristics**
- Raw materials don't contain the 13 kinds of hazardous materials that Health Ministry of Japan's designated
 - Toluene free, the total VOC content is lower than ordinary products, and is more suitable for indoor or closed space use.
 - Good attachment against low surface energy material such as PP and foam materials, etc
 - Excellent performance under a wide range of temperature.

- Applications**
- Bonding Automobile Interior Materials

Properties

Item	Value	Test Procedures
Peel Strength (N/25mm)	13.7	180 degree peel at 300mm/min 23°C 50%RH, to SUS plate, 20min conditioning time
Holding Power (mm)	0.5	Weight held for 1 hour to SUS with 20x20mm overlap, 1Kg at 40°C, 20min conditioning time
Ball Tack	22	23°C50%RH, according to J.Dow method
Laminate strength (N/15mm)	2.5	15mm width peel by T shape direction at 200mm/min 23°C 50%RH measure between Black non-woven and double-sided tape
Abrasion (Class)	5.0	JIS L1096 (Taber method) Wheel No:CS 10, Load:2.45N, Stroke:100 times

Shelf Life 12 months from date of manufacture when stored in original cartons at -5 to 40°C and relative humidity below 70%

Disclaimer The above figures are taken from experiments conducted under standard conditions at Soken. They are not for guaranteed, just for your reference only.