



Kalpatharu Chemicals

Company Introduction

KOREAN

저희 (주)엠씨에스는 한국 최대의 산업용 접착제 전문 회사로서 2007년 (중전의 “양지사를 인수) 회사 설립 이후 오늘에 이르기까지 품질이 바로 고객과의 약속이라는 원칙하에 축적된 기술과 철저한 서비스, 최상의 품질로 그 약속을 지켜 나가기 위해 노력하고 있습니다.

산업사회가 다양화, 고도화됨에 따라서 접착력이 더욱 강하고 내후성이 강하며 세트 타임은 더 빠르면서도 더욱 많은 종류의 피착제에 적용할 수 있는 접착제의 개발이 요구되고 있습니다. 한편 환경보존의 요구는 더욱 증가하여 공해를 유발하지 않고 재활용이 가능한 접착제의 개발 또한 필수적으로 요구되고 있습니다. 이러한 시대, 사회적 흐름에 발맞추어 당사에서는 이런 다양한 요구에 부응 하기 위하여 요구 용도와 적성에 맞는 특수한 수지를 합성 또는 중합하고 있으며 R&D에 대한 투자를 통해 보다 완성도 높은 제품을 만들기 위하여 끊임없는 노력을 경주하고 있습니다. 핫멜트는 물이나 용제를 전혀 사용하지 않고 100% 열가소성수지(thermoplastic-resin)를 사용하여 고온에서 액상으로 피착제에 도포, 압착 후 수초 내에 냉각 및 고체상태로 변하면서 접착력을 발휘하는 열용융 접착제로서 당사에서는 핫멜트 중에서도 이 분야 기술의 최첨단이라고 할 수 있는 자동차 램프 조립용 제품은 국내에서는 물론 해외 시장에서도 고도화되고 정밀한 제품으로 검증되고 평가받고 있습니다.

보다 편리하고 효율적인 접착이 이루어질 수 있는 제품 개발을 위해 경주하고 있으며 저희들의 이러한 노력에는 고객님들의 요구와 지도는 필수적 요소입니다. 당사의 홈페이지에 방문하시어 기존 제품의 애용과 개선, 신제품의 개발에 대한 많은 의견을 제공하여 주시기 바랍니다. 고객의 어떠한 요구도 만족시키는 최상의 품질은 (주)엠씨에스의 기술이 드리는 변함없는 약속입니다.

ENGLISH

We at MCS, as one of the biggest Industrial Adhesives Formulator since 2007 under and with the underlying principle quality is real base of our customer's trust total history over a decade including Yangji's High Molecular Division(Our old affiliate), We are trying our best to lead and meet customer's request with best quality and products.

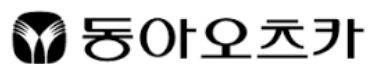
Industry requires a very forgiving adhesives, maintaining higher bonding strength, better weathering, faster set time and applicable to more and many substrate. On top of this, environmental conservation including energy saving is also strongly required to the property of adhesives.

Meeting these industrial and the timely requirement is more than important for us and synthesis or polymerization to have a certain property is our daily job. Ever increasing investment for R&D freshes our capability to better products.

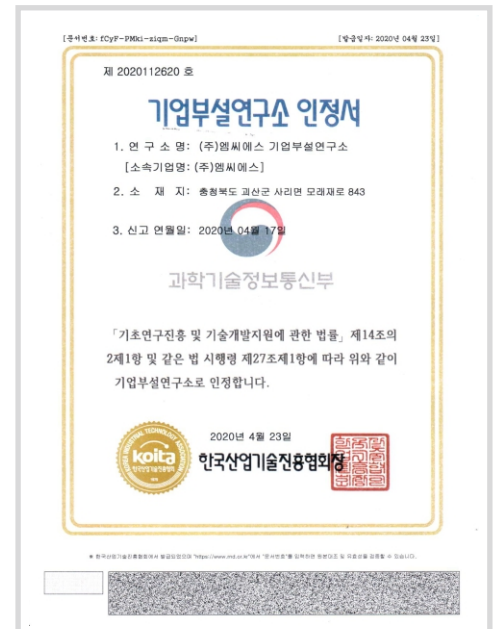
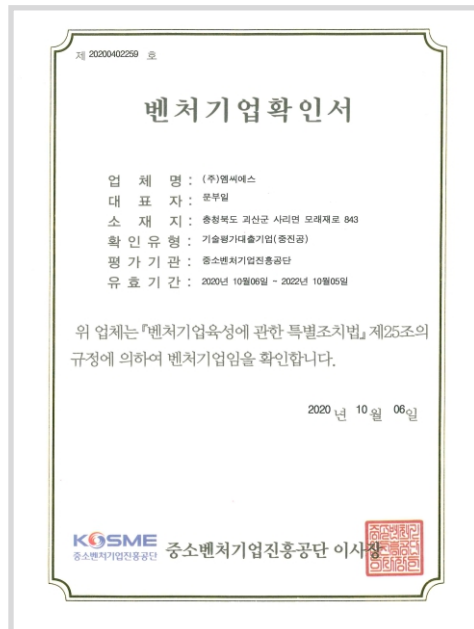
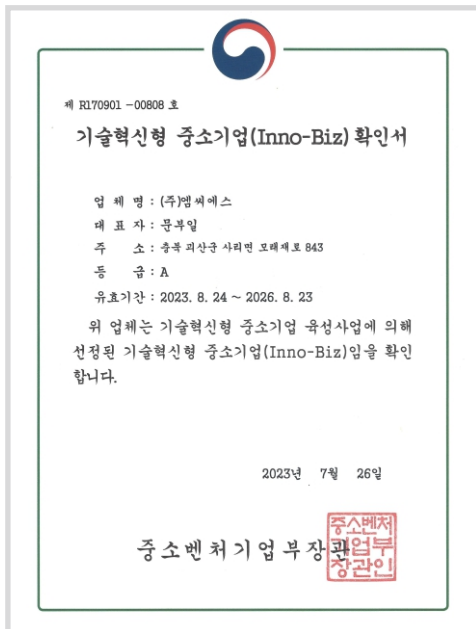
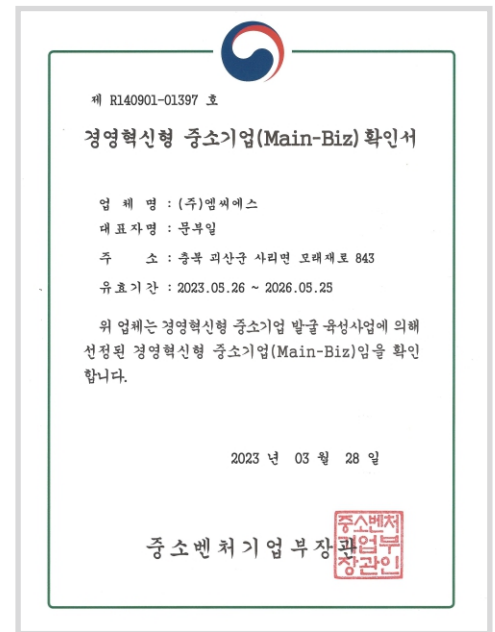
Hot Melt Adhesives are, with no solvent at all, using 100% thermoplastic resin, applied to the substrate at high temperature, then pressed to complete bonding, which sets in a second. It is very much special that our HMA is highly appreciated by car industry as they are happy with our consistent quality of head and rear lamp adhesives, as they are maintaining flexible bonding strength for years after years through very hot and very cold weather.

We are trying to develop new product for more convenient and efficient adhesive so that we need your support and requirement for our effort. Hereby we promise to satisfy your needs and requirement by our technology and everlasting effort for betterment

OUR GLOBAL CUSTOMERS



Certificate and Awards



2007

2007

- Founded MCS CO., LTD.

2011

- Certified as a Management Innovation SME
- Obtained the ISO9001

2012

- Acquired a research institutue affiliated with a corporation
- Obtained the ISO14001
- \$1Million Export Tower Award (KITA)

2017

- Registered the patent for hot melt manufacturing process
- Participated the China Adhesive 2017
- Installed new pillow packing machine



2025

2018

- Certified the CLEAN factory

2020

- Certified the INNO-BIZ
- \$3Million Export Tower Award(KITA)
- Selected Excellent company for Job creation for senior in Chungbuk province
- Indian Operation Started with **Kalpatharu Chemicals**

2021

- Selected Export Promising SME
- Installed new Gala & pillow packing machine

2022

- Built new warehouse in Goesan
- Installed new automatic production facility
- Selected STAR company in Chungbuk province

HOT MELT ADHESIVE

Hot melt adhesive(HMA) is solid thermoplastic and is applied in liquid phase after being heated to the required level as abated in specification. HMA contributes to the better and faster automation as adhesion is completed within a few seconds, thus increasing productivity and quality.

MCS corporation has experience over a decade in bindery series of SUNIMELT and enjoys high market reputation. Good quality and impressive service has established murmuring stream of satisfaction and emotion, even in the chilly market environment

APPLICATION OF SUNIMELT®

Packaging

Filter

Automotive

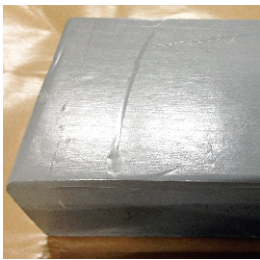
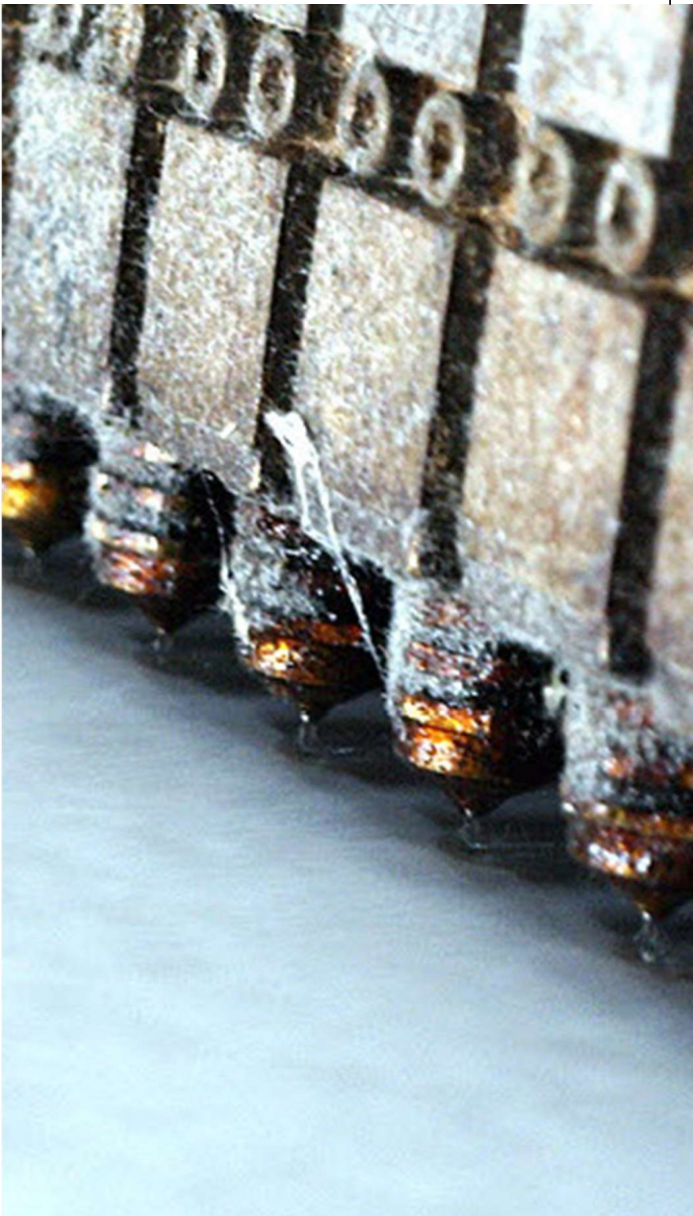
Tapes / Labels / Courier Bags

Hygiene

Bookbinding

Glue Stick

Speciality Applications



APPLICATION



Packaging

The circumstances of production efficiency very high and variety packaging type, we can provide various packaging hotmelt adhesives to be suited packaging types, working speed and charge conditions. Especially, we can produce various products to satisfy minimizing carbonization and maximizing heat resistance at the same time.



TYPICAL PROPERTIES

ITEM	CATEGORY	BASE	COLOR	DESCRIPTION	Viscosity (180°C)	Softening Point
SB 429/SB 1000	Carton Sealing	EVA (HYBRID)	White	general packaging	800±200	110±5
SB 3771	Carton Sealing	EVA	Amber	low-cost packaging (high-speed packaging)	1,000±300	110±5
SB 3911/SB 3011	Carton Sealing	EVA	Amber	ming tray, Kraft Liner Board, Fruit box	700±200	105±5
SB 377K	Carton Sealing	EVA	Amber	high heat resistance, high-speed packaging	1,100±150	110±5
SB 390A	Carton Sealing	EVA	Amber	High-speed bonding, excellent thermal stability, superior per mance on difficult-to-stick surfaces	1,000±100	108±3
SB 330	Deep Freeze	EVA	Amber	ice cream cones	900±100	92±2
SB 335	Carton Sealing	EVA	Amber	packaging various difficult-to-bond materials, used in automatic packaging of cases or boxes High adhesive strength	550±100	70±3
SB 449S	Carton Sealing	Olefin	White	general packaging (high heat resistance)	750±200	110±5
SB 476K	Carton Sealing	Olefin	White	high-speed, high heat resistance, high adhesion packaging	900±150	110±3
SB 449LV	Carton Sealing	Olefin	White	High cold resistance, High bonding strength, Low heating resistance.	900±150	110±5
SB 4621	Straw Attachment	Olefin	White	straw use, Non-stick surface material,	600±150	95±5
SB415P	Carton Scalin	Olefin				
SB 2696 IC	Deep Freeze	Rubber	Amber	ice cream Boxes (Hi Speed)	1600±100	78±5
SB 3000 IC	Deep Freeze	Rubber	Clear Transparent	ice cream Boxes (Hi Speed)	500±100	77±5
SB 2008	Liner Attachment	Rubber	White	FIBC / JUMBO Bags	2,000±500	85±5
SB 8345	Sealing	APAO	White	High Quality rice bag sealing (sealing without heat pressing)	15,000±3,000	130±5

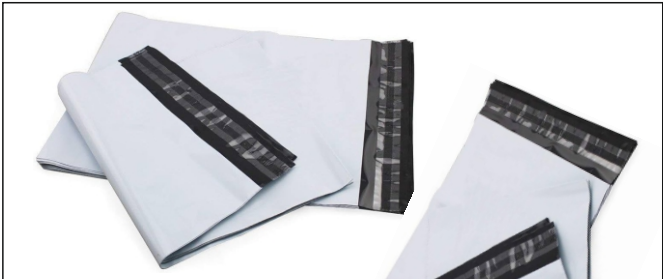
APPLICATION

Tapes / Labels / Courier Bags

As a PSA type hot-melt adhesive, it is used for various types of labels and materials requiring adhesive strength. All products are made of FDA-approved raw materials, so they are very stable and have excellent workability and adhesive strength according to temperature changes.

TYPICAL PROPERTIES

ITEM	CATEGORY	BASE	COLOR	DESCRIPTION	Viscosity (180℃)	Softening Point
SB 2025	PSA	Rubber	Amber	Label stock - General purpose	3,000±900	85±5
SB 2079	PSA	Rubber	Amber	Label stock & Tapes - High Shear	3,500±900	95±5
SB 8086	Courier Bag Label	Rubber	Amber	courier bag labels (high viscosity, low adhesive strength)	5,000±1,000	90±5
SB-9812	Courier Bag	Rubber	Amber	Courier bags, cold resistance, Strong tack, Soft type,	1,500±500	75±5
SB 666 C	Courier Bag	Rubber	Amber	Courier bag & Multipurpose Labels	1,500±500	75±5
SB 899D	Bottle Label	Rubber	White	carbonated beverage labels	600±200	75±5
SB 897D/ SB 97D	Bottle Label	Rubber	Amber	carbonated beverage labels (Hard type, High speed)	400±200	75±3
SB 890	Bottle Label	Rubber	White	Bottle label	650±100	75±3
SB 875	Removable Labels	Rubber	White	REMOVAL type labels (summer season)	1,500±200	78±3
SB 829BC	Wet wipes cap	Rubber	White	Wet tissue caps (products supplied by Yuhan Kimberly and domestic companies)	2,500±500	85±3
SB 819W	Insulation	Rubber	Amber	Building insulation material (glass fiber + paper sheet)	1,900±200	84±4
SB 8070	Insulation	Rubber	White	building material protective film	5,000±1,250	100±5
SB 872M	Medical	Rubber	White	Cosmetic and medical skin hydrocolloid patches, Hard type	2,500±400	83±4
SB 2133M	Medical	Rubber	White	Microporous Medical Tapes	4000±1000	90±5

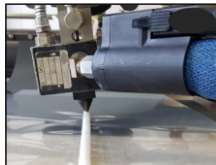


APPLICATION



Filter

Filters made of various materials are constantly being developed in line with social demands that consider the environment. Accordingly, we are supplying hot melt products for filters used in filters that meet the requirements of various customers, such as different materials, dust collection rates, and filter types.



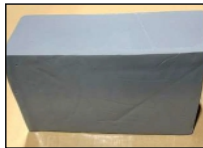
TYPICAL PROPERTIES

ITEM	CATEGORY	BASE	COLOR	DESCRIPTION	Viscosity (180°C)	Softening Point
SB 4327	Filter	EVA	White	Air conditioning filter	2,400±300	104±3
SB 435D	Filter	EVA	White	Air conditioning filters (fast work speed, quick-drying), Hard type	2,600±300	103±3
SB 210S	Filter	EVA	Amber	High-speed bonding of air filter paper, Bonding of fibrous materials, Plastic temporary bonding"	3,500±300	90±3
SB 436S	Filter	Olefin	White	Air purifier (flat type)	4,800±1,200	102±5
SB 445E	Filter	Olefin	White	"Carbon filters, (non-woven fabric + activated carbon + non-woven fabric)"	3,000±800	115±5
SB 432H	Filter	Apao	White	High-temperature resistant filters	7,000±500	150±3



Automotive

MCS also produce hot melt adhesives for automobile batteries, doors, headings and auto head lamps which are qualified and approved by major automobile manufacturers across the globe. Our adhesives provide superior adhesion. Heat-resistance, Cold-resistance and durability.



TYPICAL PROPERTIES

ITEM	CATEGORY	BASE	COLOR	DESCRIPTION	Viscosity (180°C)	Softening Point
SB 633T	Interior	Apao	White	Automotive interior materials (automotive floor and trunk floor mats)	4,000±500	130±3
SB 678W	Interior	Apao	White	Headliner, wiring, non-woven fabric, ABS specimen	15,000±1,500	148±3
SB780A	Interior	Apao	Amber	Noise and vibration damping	1,600±400	122±5
SB633M	Interior	Apao	White	Automotive big seat attachment	8,000±2,000	140±5
Sb6708	Auto Lamp	Apao	White	General-purpose automotive headlamps	13,000±1,500	145±5
SB834S	Battery	Apao	White	Universal automotive battery	10,000±2,500	148±5
SB834DT	Battery	Apao	White	Low-Price Battery	4,800±500	150±5
SB620B	Auto Lamp	Rubber	Black	Headlamps, rear lamps	60,000±8,000	140±5
SB620G	Auto Lamp	Rubber	Gray	Headlamp, Rear lamp, High viscosity	60,000±8,000	140±5

APPLICATION

Assembly



TYPICAL PROPERTIES

ITEM	CATEGORY	BASE	COLOR	DESCRIPTION	Viscosity (180℃)	Softening Point
SB 423	Refrigerator	EVA	White	For Refrigerator Sealing (Supplied to LG Electronics etc.,)	2,500±700	96±5
SB 634A	Microwave Oven / Washing Machine	Olefin	White	For appliance sealing (washing machines, refrigerators)	2,300±300	105±5
SB 1997N	Assembly	Olefin	White	Adhesion to PET and PP, Medical Use Skin Patches, High Quality, High Price	2,100±530	107±5
SB 1999A	Assembly	Olefin	White	Bonding to Various Difficult-to-Adhere Substrates (Excellent Cold Resistance) Hard type, Long Open time	2,500±300	105±5
HM-60N	Shoes	Olefin	White	heel counter	1,500±400	110±5
SB 634A	Sealing	Olefin	White	home appliance sealing (washing machines, refrigerators)	2,300±300	105±5
SB 695	Sealing	APAO	Amber	TV panel side sealing	1,900±200	132±3
SB 530A	Microwave Oven / Washing Machine	APAO	White	For Heat-resistance	2200±300	145±3
SB 835K	Assembly	APAO	White	batteries and injection molding assembly	2,500±300	150±3
HM-40N	Shoes	Rubber		outsole materials (products supplied to Adidas, Reebok, New Balance etc.,)	2,500±630	80±2
HM-50	Shoes	Rubber	White	outsole materials (products supplied to Adidas, Reebok, New Balance etc.,), High viscosity	3,100±300	80±4
HM-30(I)S	Shoes	Rubber	White	Inner sole	2,300±300	83±3
SB 970K	Sealing	Rubber	White	Silicone gun substitute	5,400±500	113±3



Book Binding

The Book Binding hotmelt adhesives are classified for the first shot binding, for the general binding, for the art paper, for the side binding and for the high quality- hard cover bookbinding according to use for bookbinding and a paper type.

TYPICAL PROPERTIES

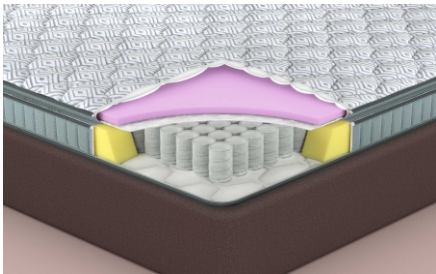
ITEM	CATEGORY	BASE	COLOR	DESCRIPTION	Viscosity (180℃)	Softening Point
SB106	Book binding	EVA	Milky White	General-purpose book binding	3,800±400	83±3
Sb185	Book binding	EVA	White	Side bonding	2,100±200	73±3
SB250G	Book binding	EVA	Milky White	For coated paper binding	4,300±300	87±3
SB250L	Book binding	EVA	Milky White	Hot melt with high-speed production and excellent cold resistance (perfect binding for Coated paper)	2,900±300	73±3

APPLICATION

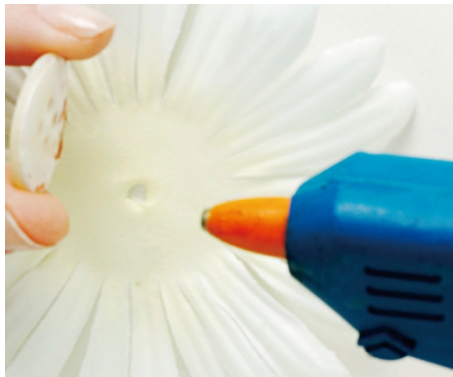


CONSTRUCTION HYGIENE MATTRESS

TYPICAL PROPERTIES



ITEM	CATEGORY	BASE	COLOR	DESCRIPTION	Viscosity (/180°C)	Softening Point
SB410HA	Construction	EVA	Amber	For tile fixation	900±100	111±3
SB 4160	Mattress	EVA	White	For bed pocket spring	1,100±250	107±5
SB 8568	Hygiene	Olefin	White	For protective clothing lamination	2,000±500	100±5
SB 8402	Hygiene	Olefin	White	For protective clothing lamination, high softening point	2,500±500	143±5
SB 8401M	Mattress	Olefin	White	Olefin type, Mattress foam adhesive (Latex + Sponge)	4,000±1,000	135±5
SB 8277	Construction	Rubber	Amber	For attaching waterproof sheet (membrane sheet + cement)	5,000±1,300	95±5
SB 8100	Hygiene	Rubber	Transparent (Transparent)	Sanitary Napkin / Diaper construction	2,600±600	85±5
SB 8200	Hygiene	Rubber	White	Sanitary Napkin / Diaper Construction	2,000±500	85±5
SB 7300	Hygiene	Rubber	White	Diaper Elastic Attachment	8,000±1200	90±5
SB 7400	Hygiene	Rubber	White	Diaper Elastic Attachment	5,000±1250	90±5
SB 5600	Hygiene	Rubber	Transparent	Sanitary Napkin Positioning	2,000±500	93±5
SB 8327	Mattress	Rubber	White	Rubber type, Mattress foam adhesive (Latex + Sponge)	900±300	80±5



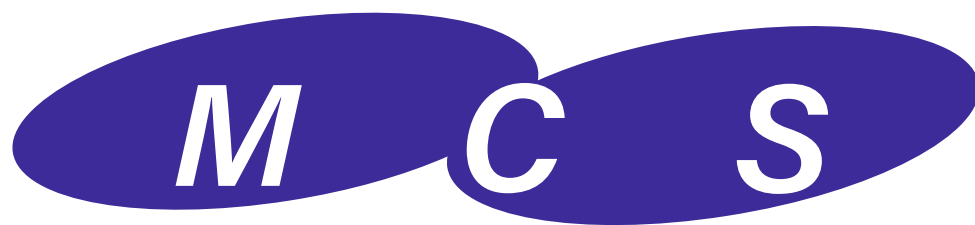
Glue Stick

Hot melt stick is used for assembly of produced products.



TYPICAL PROPERTIES

ITEM	CATEGORY	BASE	COLOR	DESCRIPTION	Viscosity (/180°C)	Softening Point
SB 922	Stick	EVA	White	Multi-purpose Opaque stick	11,000±2,000	85±5
SB 922T	Stick	EVA	Transparent	Multi-purpose Transparent stick	15,000±2,000	85±5
SB 923H	Stick	EVA	White	Heat-resistant stick	11,500±1,500	122±4
SB 907	Stick	EVA	White	7mm Stick	11,000±2,000	85±5
SB 926H	Stick	Apao	White	Low viscosity, high heat resistance stick	5,200±500	137±3



HOT MELT ADHESIVES



HEAD OFFICE / FACTORY :

📍 843, Moraejae-ro, Sari-myeon, Goesan-gun, Chungcheongbuk-do, (28047) Korea
☎ 82-43-833-9711 / Fax : 82-43-833-9715 ✉ info@mcschem.com 🌐 www.mcschem.com

INDIAN OFFICE

 **Kalpatharu Chemicals**

📍 No. 12, Ambattur Redhills Road, Plot No. 9A, Near Poppili Government School,
Puzhal Camp, Chennai - 600 066. TN India ☎ 9789971010 / 98072 25566 / 88
✉ info@kalpatharuchemicals.com 🌐 www.kalpatharuchemicals.com