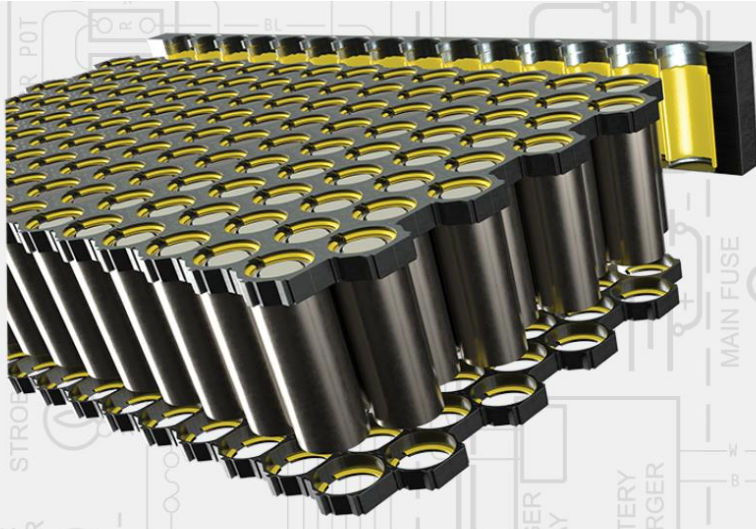




# EV Bond 701



## Technical Data Sheet



### Hot Melt PSA

EV Bond 701 is a uniquely formulated thermoplastic that provides outstanding initial tack and green strength as well as long term bond integrity. This hot melt pressure sensitive adhesive is ideal for bonding pouch to pouch cells, cylindrical cells to carrier, or prismatic to prismatic cells. EV Bond 701 can also be utilized in production to fixture contents until final construction is completed.

**Technology/Base:** Block Co-Polymer

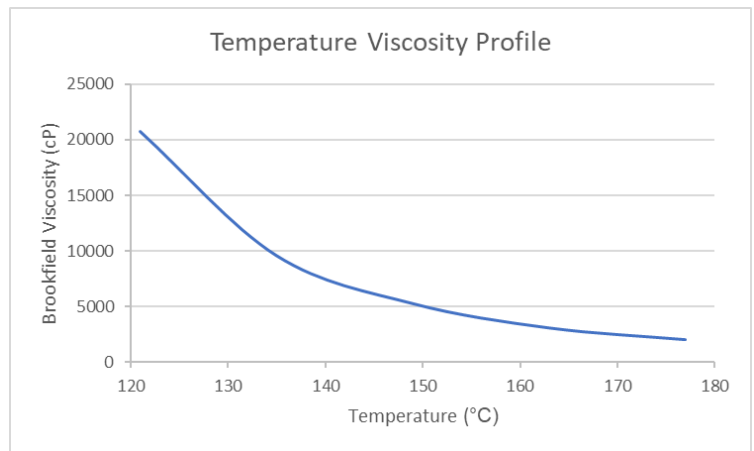
**Type of Product:** Cell Bonding

**Components:** One Component

**Curing:** Non-Reactive

**Appearance / Color:** Amber

**Consistency:** Hot Melt



\* Recommend operation dispense temperature of 300° – 345°F

### Features and Benefits

- Excellent green strength
- Good heat resistance
- Bonds to wide range of substrates
- One component requires no mixing
- Easy processing with proper hot melt dispense systems
- Able to be spray applied



**Plug into our EV Adhesive Technology**

Download our app to learn more



# EV Bond 701



## Technical Data

Rheology	Value	Condition/Method
Viscosity		
@121°C	20,750 cP	Brookfield #27, 20 RPM
@135°C	9,575 cP	
@149°C	5,250 cP	
@163°C	3,060 cP	
@177°C	2,000 cP	
Specific Gravity	0.96	Water Displacement
Physical Properties	Value	Condition/Method
Thermal Conductivity (W/m-K)	0.22	
Adhesion Properties		
Static Shear	15 days	4 mils; 23°C (substrate dependent)



### General Information

1. Coating surface area should be clean and free of any oils, residues, dust, or any other contaminants
2. Apply to primary substrate. Primary substrate is the preferred substrate in which the material will remain permanently adhered. Secondary substrate will be married to the primary and material will release from during servicing
3. Apply using appropriate Hot Melt dispensing equipment. Adjust heating and pressure parameters to achieve appropriate flow rate
4. Allow 5 minutes for material to cool to room temperature prior to assembly of enclosure



### Handling and Clean-Up

Material can typically be peeled or manually removed by hand easily, however, if necessary, mineral spirits can be used to remove excess residue.



### Typical Packaging

Drums: 55 gallons



### Storage and Shelf Life

Product should be stored at temperature between 8°C to 28°C in the unopened container in a dry location.

Shelf Life: 24 months from date of manufacture.



### Safety and Disposal

Please refer to the SDS for product safety and disposal instructions.

Avoid contact with skin and eyes. Product will irritate eyes if contact occurs. Skin irritation is possible on prolonged or repeated contact.

#### Note:

The values noted in this data sheet are typical properties only and are not intended to be used as material specifications. For assistance in writing a material specification please contact H.B. Fuller for further details.

**IMPORTANT:** The information, specifications, procedures and recommendations provided (information) are based on our experience and we believe this to be accurate. No representation, guarantee or warranty is made as to the accuracy or completeness of the information or that use of the product will avoid losses or damages or give desired results. It is users sole responsibility to test and determine the suitability of any product for the intended use. Tests should be repeated if materials or conditions change in any way. The user is advised to review the specific context of the intended use to determine whether the users intended use violates any law or infringes upon any patent(s). No employee, distributor or agent has any right to change these facts and offer a guarantee of performance.

Unless otherwise noted, trademarks are property of H.B. Fuller Company or one of its affiliated entities.

**NOTE TO USER:** by ordering/receiving product you accept the H.B. Fuller General Terms and Conditions of Sale applicable in the region. Please request a copy if you have not received these. These Terms and Conditions contain disclaimers of implied warranties (including but not limited to disclaiming warranties of fitness for a particular purpose) and limits of liability. All other terms are rejected. In any event, (1) the total aggregate liability of H.B. Fuller for any claim or series of related claims however arising, in contract, tort (including negligence), breach of statutory duty, misrepresentation, strict liability or otherwise, is limited to replacement of affected products or refund of the purchase price for affected products. (2) H.B. Fuller shall not be liable for loss of profit, loss of margin, loss of contract, loss of business, loss of goodwill or any indirect or consequential losses arising out of or in connection with product supply. (3) Nothing in any term shall operate to exclude or limit H.B. Fullers liability for fraud, gross negligence or for death or personal injury caused by negligence, or for breach of any mandatory implied terms unless permitted by law.



H.B. Fuller Company  
5000 Charter Oak Dr,  
Paducah, KY 42001



(270) 538-1100



www.hbfuller.com

© H.B. Fuller Company, 2023