



THE PRESSURE SENSITIVE ADHESIVE EXPERTS

# FANATICAL PROBLEM SOLVING

GDI Adhesives® is a leading manufacturer of high-performance, pressure sensitive adhesive technologies. We have the proven expertise and flexible capacity to quickly connect customers to their custom adhesive solution.

GDI Adhesives knows waiting for a return phone call can cost a missed opportunity or sale. Our pressure sensitive adhesive technologies are application-engineered for industrial companies in need immediate solutions to their manufacturing, formulating or converting challenges.

Our team of experts is ready to solve your complex bonding challenge. Our adhesive technologies are application-engineered to provide trustworthy solutions and resolve the numerous engineering complexities facing the world today.



# INNOVATIVE ADHESIVE SOLUTION SERVICES

## GDI LABS™



GDI Adhesives has developed proven, custom adhesive formulas for a wide range of industries. We are capable of modifying the chemistry of any formulation to provide precise adhesive characteristics for your specific project. Our team of expert, on-site chemists analyze and evaluate each customized adhesive formulation to ensure superior product quality and adhesive solution fit. Our commitment to efficient project turnaround gives our customers the solutions they need faster than any other adhesive manufacturing company.

## FORMULA FIRST CONVERTING™



The majority of converting companies want customers to purchase off-the-shelf products. This is ideal for the converter, but it compromises quality for the manufacturer. Formula First Converting puts an end to this unproductive industry practice. GDI Labs assesses each unique customer application and fabricates custom formulations as a first step. This ensures our customers have the right adhesive formulation prior to moving to the second step of converting their adhesive product into the exact dimensions required by their project.

## THE FORMULA VAULT™



GDI Labs has developed hundreds of proprietary adhesive formulas for our customers, solving a multitude of critical challenges for unique global industries. Our secured library of proprietary adhesive formulas was created for GDI customers who choose exclusivity for their custom formulations. Their corresponding adhesive solution is sealed in our vault, ensuring maximum confidentiality and exclusivity rights. We are proud of the fact that GDI is the only adhesive solution company that offers this critical service.

# APPLICATION ENGINEERED BULK AND COMMERCIAL ADHESIVES



## ACOUSTIC & PARTITION

- Fire retardant adhesive products
- Acoustic foam lamination and assembly
- High speed hot melt assembly
- Spray or roll-coating dispensing
- Fabric to foam core production



## AUTOMOTIVE & TRANSPORTATION

- Assembly line; windscreen, side and rear lights, roof systems, liftgate bonding
- Exterior component bonding; spoilers, headlamps, mirrors
- Electric vehicle battery cells, packs, enclosures, controllers, ECUs, sensors



## ELECTRONICS

- Wearables sealing and assembly
- Printed Circuit Board (PCB) assembly
- Portable device assembly
- Circuit board masking protection
- Sensory electronics



## LAMINATION & CONVERTING

- Hot melt pressure sensitive adhesives (HMPSAs)
- Amorphous poly-alpha olefin adhesives (APAOs)
- Water-based adhesives



## MEDICAL

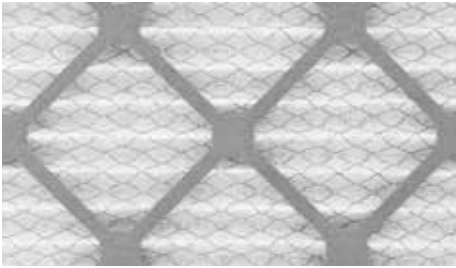
- Respirators
- Electrodes
- First aid dressings
- Glucose test strips
- Wound dressings



## OFFICE FURNITURE & TEXTILES

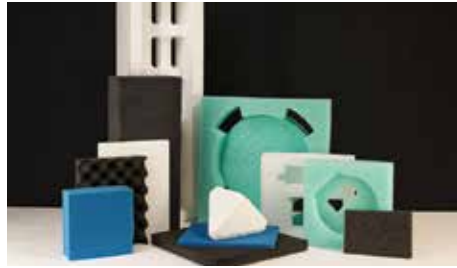
- Panel bonding
- Edge banding
- Profile wrapping
- Foam bonding
- Wood panels





## FILTER ASSEMBLY

- Frame potting and assembly
- Layer separating and stabilization
- Media bonding
- Edge seal pleating and banding
- Potting and gasketing



## FOAM ASSEMBLY

- Mattress edge stiffener
- Foam lamination
- Polyurethane foam
- Expanded polystyrene foam
- Acoustic foam



## INSECT

- Outdoor sticky traps
- Insect barrier formulas
- Tree wasp adhesives
- UV resistant insect trap formulas
- Non-toxic insect trap adhesives



## PACKAGING

- Hot melt adhesive packaging tape
- Self-adhesive packaging for plastic
- Flexible packaging adhesives
- Pressure sensitive adhesives
- Food packaging adhesives



## PRODUCT ASSEMBLY

- Appliances
- Building products
- Woodworking
- Engineered flooring
- Garage doors



## TAPE & LABEL

- Double coated tape adhesives
- Unsupported transfer tape adhesives
- Packaging tape and label adhesives
- Poly bag label adhesives
- High performance label adhesives

WE PRODUCE MORE THAN **ADHESIVES**. WE PRODUCE STREAMLINED **RESULTS**.

# PRODUCTION SPECS

## HOT MELT

| PRODUCT NUMBER | TYPE                       | COLOR        | AVERAGE VISCOSITY (CPS @ 350° F) | AVERAGE MELTING POINT | SUGGESTED RUNNING TEMPERATURE RANGE |
|----------------|----------------------------|--------------|----------------------------------|-----------------------|-------------------------------------|
| H289           | PSA - Permanent            | Amber        | 2,000                            | 230 °F                | 290 - 320 °F                        |
| H383           | PSA - Permanent            | Amber        | 500                              | 195 °F                | 230 - 260 °F                        |
| H400           | PSA - Permanent            | Amber        | 17,000                           | 230 °F                | 360 - 385 °F                        |
| H506           | PSA - Permanent            | Amber        | 14,000                           | 225 °F                | 340 - 375 °F                        |
| H522           | PSA - Permanent            | Amber        | 4,300                            | 200 °F                | 300 - 350 °F                        |
| H768           | PSA - Permanent            | Amber        | 6,000                            | 195 °F                | 300 - 360 °F                        |
| H787           | PSA - Permanent            | Water-White  | 9,000                            | 180 °F                | 320 - 365 °F                        |
| H797           | PSA - Permanent            | Amber        | 12,000                           | 210 °F                | 335 - 375 °F                        |
| H927           | PSA - Permanent            | Light Yellow | 3,000                            | 210 °F                | 280 - 320 °F                        |
| H935           | PSA - Permanent            | Light Yellow | 3,000                            | 215 °F                | 280 - 310 °F                        |
| H812           | PSA - Permanent            | Amber        | 19,000                           | 210 °F                | 365 - 390 °F                        |
| H971           | PSA - Permanent            | Amber        | 3,500                            | 195 °F                | 280 - 330 °F                        |
| H114           | PSA - Removable            | Light Yellow | 1,500                            | 225 °F                | 280 - 310 °F                        |
| H230           | PSA - Removable            | Light Yellow | 2,000                            | 225 °F                | 300 - 320 °F                        |
| H911           | PSA - Removable            | Light Yellow | 6,500                            | 200 °F                | 300 - 350 °F                        |
| H929           | PSA - Removable            | Light Yellow | 2,100                            | 200 °F                | 280 - 320 °F                        |
| H312           | APAO - Medium Open Time    | Amber        | 3,600                            | 275 °F                | 290 - 330 °F                        |
| H950M          | APAO - Short Open Time     | Light Yellow | 3,400                            | 290 °F                | 305 - 350 °F                        |
| H961           | APAO - Very Long Open Time | Amber        | 2,000                            | 180 °F                | 245 - 290 °F                        |
| H964           | APAO - Long Open Time      | Light Yellow | 1,800                            | 210 °F                | 260 - 320 °F                        |

## WATER BASED

| PRODUCT NUMBER | TYPE       | COLOR       | AVE. VISCOSITY (CPS @ 77° F) | FORM   | % SOLIDS |
|----------------|------------|-------------|------------------------------|--------|----------|
| CA-5106-B      | Rubber     | White       | 200 - 500                    | Liquid | 52 - 55  |
| A-3610         | Water Base | White       | 1,500 - 3,000                | Liquid | 70 - 74  |
| A-3538         | Resin      | White       | 1,000 - 1,800                | Liquid | 54 - 56  |
| A-3470-D       | PSA        | White       | 4,000 - 6,000                | Liquid | 66 - 70  |
| A-3531         | Resin      | White       | 2,900 - 3,700                | Liquid | 54 - 56  |
| A-3562         | Resin      | White       | 4,000 - 6,000                | Liquid | 48 - 51  |
| D-7007-D       | Dextrin    | Tan         | 700 - 900                    | Liquid | 30 - 40  |
| A-3586         | Resin      | White       | 800 - 1,300                  | Liquid | 65 - 68  |
| A-3496-G       | Rubber     | White       | 150 - 400                    | Liquid | 60 - 62  |
| A-4069         | Resin      | Off-White   | Paste                        | Liquid | 65 - 68  |
| CA-5498        | Rubber     | Off-White   | 100 - 300                    | Liquid | 48 - 52  |
| A-3099-A       | Water Base | Milky/Clear | 2,000                        | Liquid | 48 - 52  |
| A-3266-QT      | Water Base | White       | 1,500                        | Liquid | 55 - 60  |
| A-3381-E       | Water Base | White/Clear | 1,200                        | Liquid | 55 - 59  |
| A-3475         | Water Base | White/Clear | 1,500                        | Liquid | 54 - 56  |
| A-3492         | Water Base | White       | 500                          | Liquid | 33 - 37  |
| A-3519         | Water Base | White/Clear | 1,500                        | Liquid | 54 - 56  |
| A-3587         | Water Base | Milky/Clear | 2,000                        | Liquid | 57 - 63  |
| A-4005         | Water Base | Milky/Clear | 500                          | Liquid | 53 - 57  |
| D-7056X        | Starch     | Tan         | 500                          | Liquid | 15 - 20  |

