3M | Scotch-Weld™ Structural Adhesive

Sales Guide

For 3M representatives, authorized channel partners and converter partners only.

Next-generation LSE bonding for evolving manufacturing needs.

For more than 25 years, 3M has advanced the science of bonding low surface energy (LSE) plastics such as polyethylene (PE) and polypropylene (PP). As manufacturing needs evolve, customers are looking for adhesive solutions that are easier to use, more cost-effective and better aligned with customers' environmental, health and safety expectations.

The **3M™ Scotch-Weld™ Structural Plastic Adhesive DP8100NS Series** is the next generation of LSE bonding adhesives, designed to provide reliable performance while offering practical advantages such as room-temperature storage, bulk packaging availability and improved toxicity classification.



3M™ Scotch-Weld™ Structural Plastic Adhesive DP8100NS Series

Evolving to meet industry and customer needs.

Many customers struggle to bond PP, PE and other LSE plastics using traditional adhesives, primers or mechanical fastening methods. These approaches can add complexity, cost and process time. The 3M™ Scotch-Weld™ Structural Plastic Adhesive DP8100NS Series addresses these challenges by offering:

- Reliable, primerless bonding for LSE substrates.
- Simplified storage without refrigeration
- Two open-time options for process flexibility
- Bulk options for automated processes
- Cost-effective performance
- Improved GHS classifications and no CMR classifications*
  *Compared to selected acrylic adhesives
- Off-white color
- Low-odor formulation

Target industry segments.

- Automotive
- Electronics
- Sporting goods
- Household consumer products

Target applications.

- Plastic welding replacement
- Attachment of mounting brackets and other trim pieces
- Small joints involving PP, PE or metal
- Pipes and tubes bonding
- Panel-to-frame bonding
- Bonding and sealing of plastic housings
- Battery components
- Sealing plastic parts that may contact water

Guiding the conversation.

Customer Pain Point	Discovery Questions	3M™ Scotch-Weld™ Structural Plastic Adhesive DP8100NS Series Solution
PE and PP parts are difficult to bond to each other and to metal.	Does your process involve bonding LSE plastics, like PE and PP, and do you struggle to find reliable bonding solutions for them?	Provides reliable bonding performance for many LSE plastic applications.
Need to control costs without over-specifying adhesive performance.	Does the application require maximum bond strength, or would high-strength performance meet the need? Are you looking to reduce costs?	Right-sized, cost-competitive performance for LSE applications.
Refrigerated storage adds cost and complexity.	Are you currently managing refrigerated storage or temperature-controlled shipping?	Room-temperature storage helps simplify logistics and reduce storage burden.
Automated processes require bulk adhesive supply.	Is your process automated? Would bulk packaging improve efficiency?	Available in 45 ml, 490 ml, 1-gallon, 5-gallon and 50-gallon formats.
Current adhesive open time is too short.	Are you bonding larger parts? Would additional working time improve your process?	Available with 5-minute or 15-minute open times.
The GHS health hazard profile is a concern.	Are GHS health classifications creating challenges?	Designed with improved GHS classifications and no CMR classifications.*
Visible bond lines may affect finished part appearance.	Does the appearance of the finished part matter in your application?	Off-white color helps support a more discreet bond line in applications where appearance is important.
Adhesive odor can affect the user experience in production environments.	Is adhesive odor a concern for operators or production teams?	Low-odor formulation can help improve the user experience in working environments.
Surface preparation or primer steps add time, cost and process complexity.	Do you need to pretreat your substrate before making the joint? Are you using primers or other surface preparation steps to achieve adhesion?	Designed to bond many LSE plastics without primer or surface treatment, helping simplify the bonding process.

***Compared to selected acrylic adhesives**

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