

# Stop Wasting Adhesive

## Save 30% with OptiBond™ Solutions

### Reduce Adhesive Waste – Not Bond Strength

Hot melt adhesive shortages and price increases will continue along with the growing world demand for oil and the petroleum byproducts used in EVA hot melt production.

Optimize your adhesive use and start saving now! Nordson OptiBond Solutions let you maintain package and bonding integrity while you reduce adhesive use and waste.

### Testing and Proof

Nordson conducted extensive tests to determine the precise amount of adhesive required to securely seal cartons without excess adhesive or waste. We measured overall bonding strength to assure package integrity.

Replacing long, continuous adhesive beads with shorter, intermittent beads, we reduced bead length and total adhesive volume – but, maintained bond strength!

### Less is More

Adhesive beads are strongest at the beginning and the end of each bead. So, increasing the number of beginning and end points can actually increase bond strength!

More bond strength means you can use less adhesive to attain secure bonding. Intermittent beads with spaces between save adhesive and give you the bond strength you need.



Sample	Adhesive Type and Temperature	Bond Strength Solid Bead 1/8 in. dia. / .115g	Bond Strength. Intermittent Bead 1/8 in. dia / 0.08g	Intermittent Bead Bond Strength % vs. Solid Bead Bond Strength	Adhesive Weight Savings
Box A	350° metallocene	8.33 lbf/g	8.11 lbf/g	97%	30%
Box B	250°	7.69 lbf/g	7.97 lbf/g	104%	26%
Box C	250°	9.73 lbf/g	9.96 lbf/g	102%	30%
<b>Average</b>		<b>8.58 lbf/g</b>	8.68 lbf/g	101%	<b>28.6%</b>

**Solid Bead**

Diameter: 1/8 in. (0.125)  
 Length: 2 in. long  
 Adhesive volume: .115 gram adhesive  
 Bond strength: Average 8.58 lbf (peak load) =100%

**Intermittent Bead**

Diameter: 1/8 in. (0.125)  
 Length: 1.4 total in. adhesive over 2 in. area  
 Space between beads: 0.20 in  
 Adhesive volume: 0.08 gram adhesive  
 Bond strength: Average 8.68 lbf (peak load) = 101%  
**Adhesive reduction: Average 28.6%**

### Real Savings

Optimizing adhesive beads is a strategy that can help you face the current and future adhesive availability challenges, and come out on top.

To learn more about OptiBond Solutions and how you can get more out of your adhesive, please [visit us online](#) or contact Nordson at 1-800-683-2314.

