



## HL2081

HL2081 is a pressure sensitive hot melt adhesive with high heat resistance, aggressive adhesion, excellent cohesive strength, and bonds well to low surface energy substrates. HL2081 is often used in industrial labeling, hook and loop, automotive interior attachments, tape constructions, and industrial assembly. HL2081 bonds well to most plastics, polyolefins, polypropylene, high density polyethylene, low density polyethylene, and most paper stock.

<b>Technology / Base</b>	Pressure Sensitive Hot Melt Adhesive
<b>Type of Product</b>	Polyolefin
<b>Components</b>	One component
<b>Curing</b>	Non-Reactive
<b>Appearance / Color</b>	Off White
<b>Consistency</b>	Viscous Liquid (Solid at Room Temperature)

### Features and Benefits

- High heat resistance
- Very high peel strength
- Aggressive adhesion
- Excellent cohesive strength
- Good adhesion to a variety of substrates and film stocks
- Bonds well to most plastics, polyolefins, polypropylene, high density polyethylene, low density polyethylene, and most paper stock

### Technical Data

Property	Value	Condition/Method
<b>Rheology</b>		
Viscosity	117,500 cPs 33,500 cPs 13,750 cPs	at 300 °F at 325 °F at 350 °F
<b>Material Properties</b>		
Shelf Life at 25°C	24 months	unopen original container
Solids Content	100%	
Flash Point	455 °F	ASTM D3461
Application Temperature	350 °F	
Peel Strength	7 lb/in	180 Degree Peel, 60 sec/75°F, 1 mil
Tack, Loop	90 ounce	
Polyken Tack	1500 g/cm <sup>2</sup>	



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### Application and Cleaning Instructions

Typical equipment: A hot melt application equipment capable of maintaining the suggested adhesive temperature noted above and appropriate for the application. An inert nitrogen blanket is suggested (not required).

General application:

- (1) Purge the previous hot melt adhesive from the equipment.
- (2) Set the equipment temperature to the suggested settings above.
- (3) Adjust the pump pressure for the desired adhesive amount.
- (4) The open and set time characteristics may be modified with small adjustments to the amount of the applied adhesive and equipment temperature settings.

Cleaning: Consult the equipment manufacturer for cleanup procedures. First drain as much molten material as possible from the line. Then flush the unit with paraffin or a product that is recommended by the equipment manufacturer.

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### Storage Conditions

Store for up to 24 months in a cool, dry place at a temperature above 20 °F and below 120 °F in the original container.

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### Safety and Disposal

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

This product compositionally meets the requirements of Section 175.105 of 21 CFR. To minimize the risk of burns, it is recommend the use of eye protection and protective clothing when working near a hot melt applicator. To minimize the risk of flammable vapors, do not exceed a melt temperature above 400 °F. Prevent the build-up of vapors. Extinguish all sources of ignition during hot melt use. Please refer to the SDS for additional safety advice.

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### Typical Packaging

Please contact your local Sales Office for available packaging options.

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