



# Technical Data Sheet

## 3M™ Carry Handles 8310



[Product Details](#)



[Regulatory Info/SDS](#)

### Product Description

3M™ 8310 Carry Handles are durable plastic strips with a non-tacky center insert and adhesive coated at each end. It is easy to create a convenient looped handle when the ends are attached to both sides of a box or package. These handles are available in standard dimensions (see table below) or dimensions can be customized for your application. 8310 “CP” Carry Handles are custom-printed to provide additional branding opportunity for retail product, to add bar-codes for bundled packages, or for other purposes.

### Product Features

- Customer convenience - easier to carry bulky packages.
- Custom colors and graphics available for improved branding, promotional messages, or in-store security.
- Excellent adhesion to a variety of package surfaces.
- Easy to apply.
- Stores easily at checkout counters.
- Reduces packaging materials.

### Technical Information Note

The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

### Typical Physical Properties

Attribute Name	Test Method	Value
Adhesive Type		*Pressure-sensitive rubber resin.
Carry Portion Thickness	ASTM D3652	0.095 mm (3.75 mil)
Total Tape Thickness	ASTM D3652	0.081 mm (3.2 mil)
Total Thickness	ASTM D3652	0.176 mm (6.95 mil)
Product Construction		3M™ Carry Handle: Standard white carry portion material. 3M™ Carry Handle CP: Custom printed or colored carry portion material. Available in custom backing.
Max Load Per Handle		10 lb

Attribute Name	Value
*Note	Requires no heat, moisture, or solvent activation prior to use.

### Typical Performance Characteristics

Attribute Name	Test Method	Temperature	Value
180° Peel Adhesion	ASTM D3330	22 °C (72 °F)	6 N/cm (55 oz/in) <sup>1</sup>
Tensile Strength	ASTM D3759		61.5 N/cm (35 lb/in)
Elongation at Break	ASTM D3759		160 %

<sup>1</sup> 12 in/min (300 mm/min)

## **Handling/Application Information**

### **Application Examples**

- Handling products, such as: small appliances, small electronics, toys, lawn, garden, houseware and hardware items and some industrial products.
- Combining products (multipacks, duo-pouches or bags).
- Providing special promotional messages or UPC codes.

### **Application Techniques**

#### Recommended Surfaces

- Paperboard printed and unprinted
- Corrugated cardboard
- Polyethylene and polypropylene (strong shrink film/poly bags)
- Polyester film
- Polyvinyl chloride (PVC) film

#### Surfaces That Should Be Reviewed For Suitability

- Wax coated/siliconized surfaces
- Wet surfaces (moisture condensation)
- Cold surfaces (<50°F [10°C])
- Some lacquer coated board
- Rough textured surfaces on which tape surface contact is significantly reduced

#### Application Instructions

1. Select appropriate carry handle to meet package weight limit.
2. Remove a single handle from pad and apply one end to side of package. Press full length of adhesive tape leg firmly onto package side with hand pressure.
3. Lay handle across top of package using hand to form a snug loop; press full length of remaining adhesive tape leg firmly onto the opposite side with hand pressure.
4. Handles should be attached to the sides and the bottom of boxes with unsealed top flaps.
5. Do not apply the majority of or the entire adhesive portion of the handle to top of box. Adhesive legs must be positioned on the package sides (vertical dimension) to insure application success.

## **Storage and Shelf Life**

Store under normal conditions of 60°F to 80°F (16° to 27°C) and 40% to 60% relative humidity in the original carton. To obtain best performance, use this product within 18 months from date of manufacture.

## **Available Sizes**

Attribute Name	Value
Handle Dimensions	<a href="https://multimedia.3m.com/mws/media/20693880/image-130-jpg.jpg">https://multimedia.3m.com/mws/media/20693880/image-130-jpg.jpg</a>  Custom dimensions available

## **Information**

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## **ISO Statement**

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001 standards.

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