



*"If you can imagine it, Nadco will make it Stick."*

7065

Technical Data

Product Description: NADCO® Removable Vinyl Performance Label Product 7065 and FV1405 are flexible and conformable clear vinyl label materials that offer durability and moisture resistance. These labels utilize Adhesive R3500, which is designed for use on smooth surfaces such as glass, metal, and plastic (including polystyrene) and offers excellent UV resistance, good initial tack, and long term adhesion with clean removability and is an excellent alternative to static cling.

Note: As a removable adhesive, performance may vary depending upon the substrate to which it is applied. Therefore, extensive testingshould be conducted prior to use and textured surfaces should be avoided. Not appropriate for children's toy or sticker applications.

| Construction | Product Number | Facestock                        | Adhesive               | Liner   |
|--------------|----------------|----------------------------------|------------------------|---|
|              | 7065           | 0032 in. soft<br>White Vinyl NTC | R3500 Rem.<br>0.8 mils | 90# Polycyd.<br>7.0 mil bleached kraft<br>sheet polyethylene<br>coated on two sides |
|              | FV1405         | .004 in. Soft<br>Clear Vinyl NTC | R3500 Rem.<br>0.8 mils | 90# Polycyd.<br>7.0 mil bleached kraft<br>sheet polyethylene<br>coated on two side  |

(Calipers are nominal values)

Features

- The polymerically plasticized nature of this soft, flexible vinyl imparts long term dimensional stability for demanding applications.
- Static cling alternative
- Good initial tack.
- Long term adhesion with clean removability (no residue).
- Liner is designed for the ultimate in layflat. The backside of this liner is not printable.

Application Ideas

•Window decals, removable graphics, POP promotional graphics.

Typical Physical Properties

Note: The following information and data should be considered representative or typical only and should not be used for specifications purposes.

Adhesion properties determined per TLMI Method using 1.0 mil polyester with 1.0 mil of adhesion on a polished stainless steel panel.

|                        |         |                                     |  |
|------------------------|---------|-------------------------------------|--|
| Peel Adhesion          | Approx. | 0.3 lbs./in. (53 N/m)               | TLMI Method, 180° Peel, 12"/min., 1" wide sample |
| Loop Tack              | Approx. | 0.5 lbs./in. (88 N/m)               | TLMI Method, 12"/min., 1" wide sample            |
| Shear                  |         | N/A                                 | TLMI Method, 0.25 in. <sup>2</sup> x 500g        |
| Adhesive Coat Weight   |         | 1.67 to 1.89 g/100 in. <sup>2</sup> | TM-2279  |
| Release Range          |         | 15 to 200 g/2 in.                   | TLMI Method, 180° removal, 300 in./min.          |
| Service Temperatue     |         | -20° F to 140° F (-29° C to 60° C)  |  |
| Application Temperatue |         | 40° F to 120° F (5° C to 49° C)     |  |

Application Techniques

For maximun bond strength, the surface should be clean and dry. Typical cleaning solvents are heptane and isopropyl alcohol.\*

For best bonding conditions, application surface should be at room temperature or higher. Low temperatur surfaces, below 40°F (5°C) can cause the adhesive to become so firm that it will not develop maximum contact with the substrate. Higher initial bonds can be achieved through increased rubdown presure.

\*When using solvents, read and follow the manufacturer’s precautions and directions for use.

Printing

• A non-topcoated print surface designed for use with solvent ink systems.

Please be aware that our current production specifications for these materials are primarily qualified for printers who use flexographic, screen printing, and thermal transfer printing processes. Nadco has neither done profile work with these products for printing by digital inkjet processes, nor engaged in any lot variation studies, nor taken any special measures in manufacturing or handling of these products with the intent of recommending these products for printing by digital inkjet methods.

|                                |  |
|--------------------------------|--|
| Die Cutting/<br>Converting     | Die cut with steel rule or flatbed dies. The 90# lay-flat liner also allows kiss cutting and back splitting. The converter can cut through the vinyl facestock without cutting through the liner. Sheet label materials are not recommended for rotary die cutting and stripping operations.   |
| Packaging                      | Finished labels should be stored in plastic bags.  |
| Storage                        | Stored at room temperature conditions of 72° F (22° C) and 50% relative humidity.  |
| Shelf Life                     | If stored under proper conditions, product retains its performance and properties for two years from date of manufacture.  |
| Product Use                    | All statements, technical information and recommendations contained in the document are based upon tests or experience that 3M believes are reliable. However, many factors beyond Nadco's control can affect the use and performance of a Nadco product in a particular application, including the conditions under which the products is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the Nadco product to determine whether it is fit for a particular purpose and suitable for the user's method of application.   |
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