



Double Coated PET Tape

8005

Technical Data

Jan, 2008

Construction:

| Product Number | Adhesive/ Color/ Thickness | Faceside adhesive | Carrier | Backside adhesive | Primary liner Color, Print | Liner Caliper |
|-----------------------|-----------------------------------|--------------------------|----------------|--------------------------|------------------------------------|----------------------|
| 8005 | Acrylic Translucent, 0.05mm | 0.018mm | PET 0.013mm | 0.018mm | Brown 58#DK with green 3M printing | 0.1mm |

Product Description:

8005 double-coated film tape features PET carrier, ideal for die cut application and dimension stability, its medium-firm acrylic pressure sensitive adhesive system provide a combination of high performance in adhesion and good shear holding power to a wide variety of materials, including many plastics.

8005 are specially designed for electronic market applications, such as optically management films attachment, foam, isolative film fixing, and system assembly.

Features

1. 8005 feature a medium firm acrylic pressure sensitive adhesive system. The key characteristics of this adhesive include a combination of high performance in adhesion and good shear and holding power to a wide variety of materials, including many plastics.
2. 8005 provides excellent stability to reduce stretching and allows to more precise alignment during application, and no residue when tearing them off in reworking process.

Typical Physical Properties and Performance Characteristics

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

| | |
|---|----------------|
| Adhesion to PP: (ASTM D3330, 180 degree peel) | (Kg/in) |
| 20 minutes RT | 1.0 |
| 3 days RT | 1.2 |
| Adhesion to ABS: (ASTM D3330, 180 degree peel) | (Kg/in) |
| 20 minutes RT | 1.5 |
| 3 days RT | 1.7 |
| Adhesion to PC: (ASTM D3330, 180 degree peel) | (Kg/in) |
| 20 minutes RT | 1.6 |
| 3 days RT | 1.8 |
| Adhesion to SUS: (ASTM D3330, 180 degree peel) | (Kg/in) |
| 20 minutes RT | 1.8 |
| 3 days RT | 2.0 |

Holding Power: (ASTM D3654, 1×1 in, 1000g load, Stainless Steel)

22°C 10,000+ minutes

Relative Solvent Resistance: Good

U. V. Resistance: Good

Operating Ranges:

| | |
|-----------------------------|---------------|
| Continuously (day-week): | 190°F (88°C) |
| Short Term (minutes-hours): | 240°F (116°C) |

Application Techniques:

Bond strength is dependent upon the amount of adhesive-to-surface contact developed. Firm application pressure helps develop better adhesive contact and improves bond strength.

To obtain optimum adhesion, the bonding surfaces must be clean, dry and well unified. Some typical surface cleaning solvents are isopropyl alcohol or heptane. Note: Carefully read and follow the manufacturer's precautions and directions for use when working with solvents.

Ideal tape application temperature range is 70°F to 100°F (21°C to 38°C). Initial tape application to surfaces at temperatures below 50°F (10°C) is not recommended because the adhesive becomes too firm to adhere readily. However, once properly applied, low temperature holding is generally satisfactory.

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