



Technical Data Sheet

Tape & Adhesive

ID-8370S

JUNE 2012 (V2)

Product Description 3M ID-8370S (non-woven DCT) is a non woven tape coated on both side with a High Performance Acrylic Pressure Sensitive Adhesive. This tape is protected by a polycoated white paper release liner with blue 3M printed. It has feature dimensional stability and improved handling with ease of die cutting and laminating. 3M High Performance Acrylic Adhesive provides high bond strength to most surfaces.

Features

- Cross-linked acrylic adhesive provides excellence service at high temperature and high shear performance.
- Tackified acrylic adhesive provides excellence adhesion on many surfaces such as metal, painted surface, plastics, wood, paper and glass.

Application Idea

- Automotive interior bonding application
- General purpose joining and mounting application
- Holding and bonding of electronic devices
- Electronic Components Bonding / Attachments
- Appliance parts Bonding / Attachments

Product Construction	Adhesive Type	Acrylic Adhesive
	Tape Thickness	0.16 mm (+/- 0.02 mm)
	Tape Color	Off-White
	Carrier	Non-woven
	Release Liner	Poly coated Kraft with Blue 3M Logo Printed

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

Adhesion Strength		(gf/inch)
ASTM D3330	SS	2100
180 ^o Peel Strength	PC	1500
Jaw Speed: 12 inch/min	PP	1300

Relative High Temperature
Operating Ranges

Long Term (days, weeks)	80 ^o C
Short Term (minutes, hours)	150 ^o C

Application Technique	<p>Bond strength is dependent upon the amount on adhesive-to-surface contact developed, firm application pressure helps develop better adhesive contact and improve bond strength</p> <p>To obtain optimum adhesion, the bonding surface must be clean, dry and well unified. Typical surface cleaning solvent is isopropyl alcohol and water mixed (75:25). Be sure to follow the manufacturer's precautions and directions when use the solvents.</p> <p>Ideal tape application temperature range is 21^oC to 38^oC. Initial tape application to surface at temperature below 10^oC is not recommended because the adhesive becomes too firm to adhere readily. However, once properly applied, low temperature holding is generally satisfactory.</p>
Shelf life	<p>18 months from date of manufacture when stored in original cartons at 21^o -25^o Celcius and maximum 50% relative humidity</p>
Important Notice	<p>3M MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's application. Please remember that many factors can affect the use and performance of a 3M product in a particular application. The materials to be bonded with the product, the surface preparation of those materials, the product selected for use, the conditions in which the product is used, and the time and environmental conditions in which the product is expected to perform are among the many factors that can affect the use and performance of a 3M product. Given the variety of factors that can affect the use and performance of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for the user's application</p>
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