Double Coated PET Tapes

8008

Temporary Technical Data ***Dec., 2008***

Construction:

Product Number	Adhesive/ Color/ Thickness	Faceside adhesive	Carrier	Backside adhesive	Primary liner Color, Print	Liner Caliper
8008	Acrylic Translucent, 0.0011" (0.08mm)	0.0003" (0.034mm)	PET, 0.0005" (0.013mm)	0.0003" (0.034mm)	Blue PET with orange 3M printing	0.05mm

Product Description:

8008 double-coated PET tape features 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 holding power to a wide variety of materials, including many plastics.

8008 is specially designed for display market applications, such as optically management films attachment, foam, isolative film fixing, and system assembly.

Feature

1. 8008 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. 8008 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 steel: (ASTM D3330, 180 degree peel)	**(Kg/in)**
Backside	
20 mins RT	2.3
72 hrs RT	2.8

Static Shear : (ASTM D3654, 1x1in, 1000g load, stainless steel)	
22°C	10,000+ minutes

Relative High Temperature Operating Ranges:	
Continuously (day-week):	200°F (93°C)
Short Term (minutes-hours):	250°F (121°C)

Relative Solvent Resistance:	Good

U. V. Resistance:	Good

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.

3M 8008 is manufactured under a 3M's quality system registered to ISO 9002 standards; and environmental protection system registered to ISO 14000 standards.