



Registered ISO 9001:2000

PRELIMINARY TECHNICAL DATA

**MD10
ULTRA HIGH PURITY ACRYLIC ADHESIVE**

DESCRIPTION

MD10 is a high purity acrylic adhesive that has been widely used in the hard disk drive industry for many bonding and sealing application. MD10 meets the critical out gassing requirements of the disk drive industry. MD10 has also been approved for trans-dermal drug delivery applications.

The MD10 adhesive is available as a free film transfer adhesive or in various single-sided and double-sided constructions. MD10 adhesive is typically supplied with low extractable silicone polyester liners that meet the extractable silicone requirements of the disk drive industry.

TYPICAL PERFORMANCE DATA [2 mils MD10 adhesive on 2 mil polyester backing]

	<u>From Steel</u>	<u>From E-Coat</u>	<u>From Aluminum</u>
180-DEGREE PEEL ADHESION (PSTC-101)			
15 MINUTE APPLIED (oz./in.)	50-70	50-60	50-75
24 HOURS APPLIED (oz./in.)	70-85	60-75	60-75
STATIC SHEAR (PSTC-107)			
1/2" X 1" 1,000 GRAMS (hours)	>120 hrs		

TYPICAL OUT GASSING	Total Out Gassing	250-400 ng/cm ²
2 mil thick adhesive	Hydrocarbons	< 40 ng/cm ²
IDEMA M11-99 Method	Siloxanes	< 10 ng/cm ²
	Phenols/Alcohols	< 200 ng/cm ²
	Unknowns/Others	< 200 ng/cm ²

NO LOAD APPLIED, SERVICE TEMPERATURE RANGE
-45 DEG. F TO 250 DEG. F CONTINUOUS
-65 DEG. F TO 350 DEG. F SHORT TERM

MINIMUM APPLICATION TEMPERATURE +65 DEGREES. F

NOTE: PERFORMANCE DATA INDICATES TYPICAL VALUES BASED ON LIMITED PRODUCTION AND SHOULD NOT BE USED FOR MINIMUM SPECIFICATION VALUES.

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