



JDC DISK DRIVE SOLUTIONS

Registered ISO 9001:2008

T E C H N I C A L D A T A

MD90
ULTRA HIGH PURITY DAMPING POLYMER

DESCRIPTION

MD 90 is designed for disk drive damping applications. The MD90 exhibits enhanced high temperature damping over a wide temperature range.

MD90 has excellent shear and high temperature properties. This adhesive has moderate initial adhesion however the adhesion level increases with residence. MD90 adhesive films meet all the critical hard disk drive industry chemical cleanliness standards.

The MD90 adhesive is typically supplied as a free film transfer adhesive, ranging from 1-4 mils thick. The standard liners used with the adhesive films are easy and medium release low-extractable silicone release coatings on 1.5 mil polyester films.

MD90 adhesive is also available in a variety of 2-sided supported adhesive constructions and can be matched with other disk drive adhesives on the opposite side of the support film.

TYPICAL PERFORMANCE DATA

[2 mils dry on 2 mil polyester backing]

PEEL ADHESION (PSTC-101)

Stainless Steel

15 MINUTE APPLIED, OUNCES/INCH	60 - 80
24 HOURS APPLIED, OUNCES/INCH	80 - 100

STATIC SHEAR ½” x 1” - 1000 Grams (Hours) > 24 hrs
(PSTC 107)

TYPICAL OUT GASSING

2 mil thick adhesive	Total Out Gassing	150 – 300 ng/cm ²
IDEMA M11-99 Method	Hydrocarbons	< 75 ng/cm ²
	Siloxanes	< 5 ng/cm ²
	Phenols / Alcohols	< 100 ng/cm ²
	Unknowns / Others	< 100 ng/cm ²

IONIC CLEANLINESS

Total Anions	< .01 µg /cm ²
No Anion Exceeds	.01 µg /cm ²

MINIMUM APPLICATION TEMPERATURE +65 DEGREES F

WARRANTY: 2 Year Shelf-life when stored at 20-25C, 50-60% R.H. and out of direct sunlight

NOTE: Performance data indicates average production values from stainless steel and should not be used for minimum specification values. The converter is responsible for determining suitability of tape prior to use.

DATE: 05 January 2015

The information contained herein is to the best of our knowledge and belief, accurate. However, since the conditions of handling and of use are beyond our control, we make no guarantee of results and assume no liability for damages incurred by following these suggestions. Nothing contained herein is to be construed as a recommendation for use in violation of any patents or of applicable laws or regulations.

Nomogram of MD90 (JDC PT4289A)

October 12, 2011
PT4289A
Jones Temperature - Frequency Nomogram

