



Registered ISO 9001:2000

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

MD15
ULTRA HIGH PURITY DAMPING POLYMER

DESCRIPTION.

MD 15 is designed for disk drive damping applications. The MD15 exhibits enhanced high temperature damping over a wide temperature range. It has been widely used in disc drive cover damper applications.

MD15 has excellent shear and high temperature properties. This adhesive has moderate initial adhesion however the adhesion level increases with residence. The MD15 is not recommended for seal applications where quick maximum bond strength is important. MD15 adhesive films meet all the critical hard disk drive industry chemical cleanliness standards.

The MD15 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. For less demanding applications the MD15 is also available supplied on a paper release liner.

MD15 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)	<u>Stainless Steel</u>	<u>E-Coat</u>	<u>Aluminum</u>
15 MINUTE APPLIED, OUNCES/INCH	45 – 60	50-65	45-60
24 HOURS APPLIED, OUNCES/INCH	65 – 75	65-85	65-75

STATIC SHEAR ½” x 1” - 1000 Grams (Hours) > 124 hrs
(PSTC 107)

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

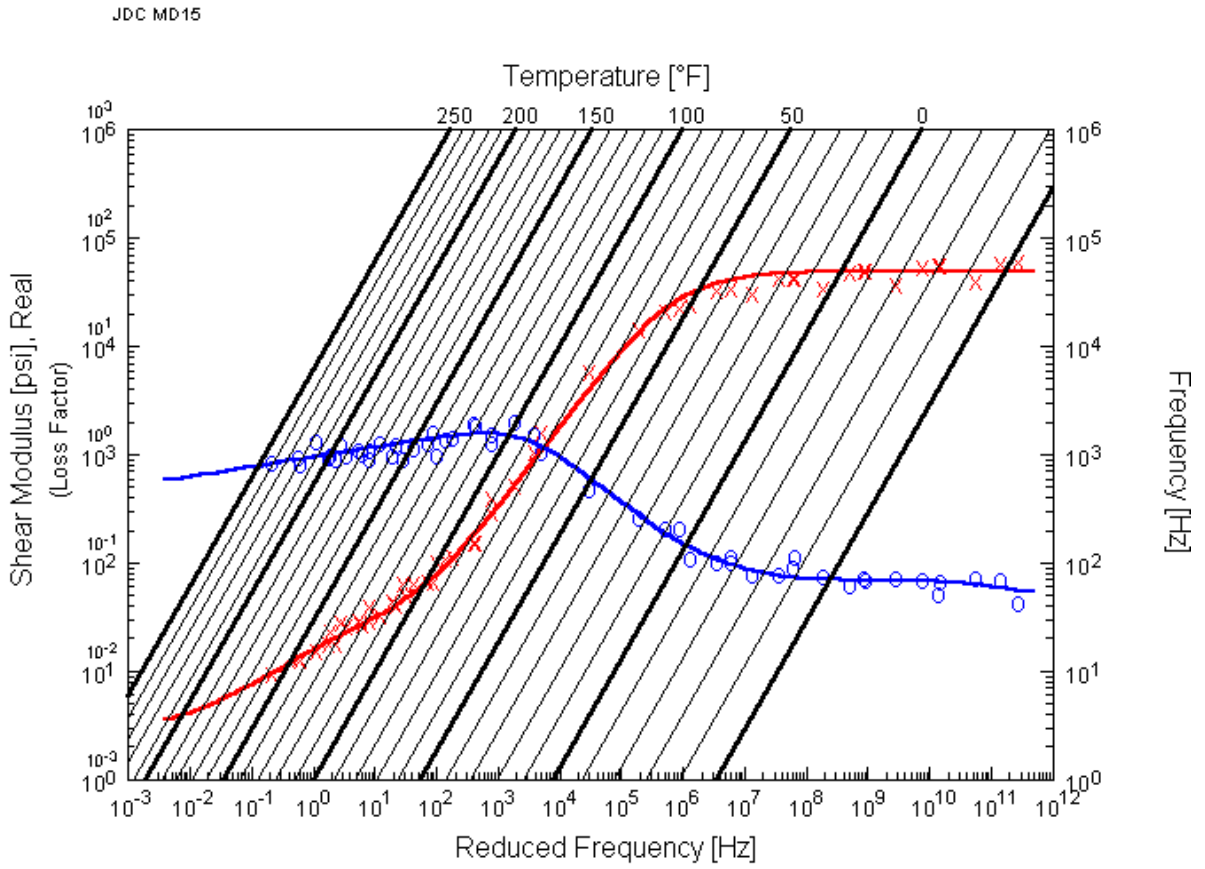
IONIC CLEANLINESS	Total Anions	< .06 µg /cm ²
	No Anion Exceeds	.04 µg /cm ²

MINIMUM APPLICATION TEMPERATURE +65 DEGREES F

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

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

DAMPING - THE NOMOGRAM FOR THE MD15 ADHESIVE



MEH 8/23/04

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