



**JDC DISK DRIVE SOLUTIONS**  
Registered ISO 9001:2008

**T E C H N I C A L   D A T A**

**MD45**  
**ULTRA HIGH PURITY ACRYLIC ADHESIVE**

**DESCRIPTION**

The MD45 adhesive is designed for labels and seals where a repositionable and very chemically clean adhesive is required. This adhesive is characterized by moderate adhesion levels and very high shear. The repositionable feature of this adhesive allows for clean rework from all disk drive surfaces. MD45 adhesive shows exceptional chemical cleanliness. This adhesive is very stable and will not exhibit alcohol growth with aging.

The MD45 is available in a variety of one and two-sided adhesive constructions. These adhesive constructions are provided on low extractable silicone release liners with either medium or easy release. These liners meet all industry requirements for low extractable silicone.

**TYPICAL PERFORMANCE DATA**     [ 2.0 mils of adhesive on 2 mil polyester backing]

<b><u>PEEL ADHESION</u></b> (PSTC-101)	<b><u>From Steel</u></b>	<b><u>From E-Coat</u></b>	<b><u>From Aluminum</u></b>
15 MINUTE APPLIED (oz./in.)	35 – 45	40 - 48	32 - 38
24 HOURS APPLIED (oz./in.)	44 - 54	45 - 55	38 - 48

<b><u>STATIC SHEAR</u></b> (PSTC-107)	
½ “ X 1” - 1,000 GRAMS	> 120 hrs

<b><u>TYPICAL OUT GASSING</u></b>		
2.0 mil thick adhesive	Total Out Gassing	< 100 ng/cm <sup>2</sup>
IDEMA M11 Method	Hydrocarbons	< 20 ng/cm <sup>2</sup>
	Phenols / Alcohols	< 20 ng/cm <sup>2</sup>
	Siloxanes	< 5 ng/cm <sup>2</sup>
	Unknowns / Others	< 25 ng/cm <sup>2</sup>

<b><u>IONIC CLEANLINESS</u></b>		
	Total Anions	< .0015 µg /cm <sup>2</sup>
	No anion exceeds	.004 µg /cm <sup>2</sup>

**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

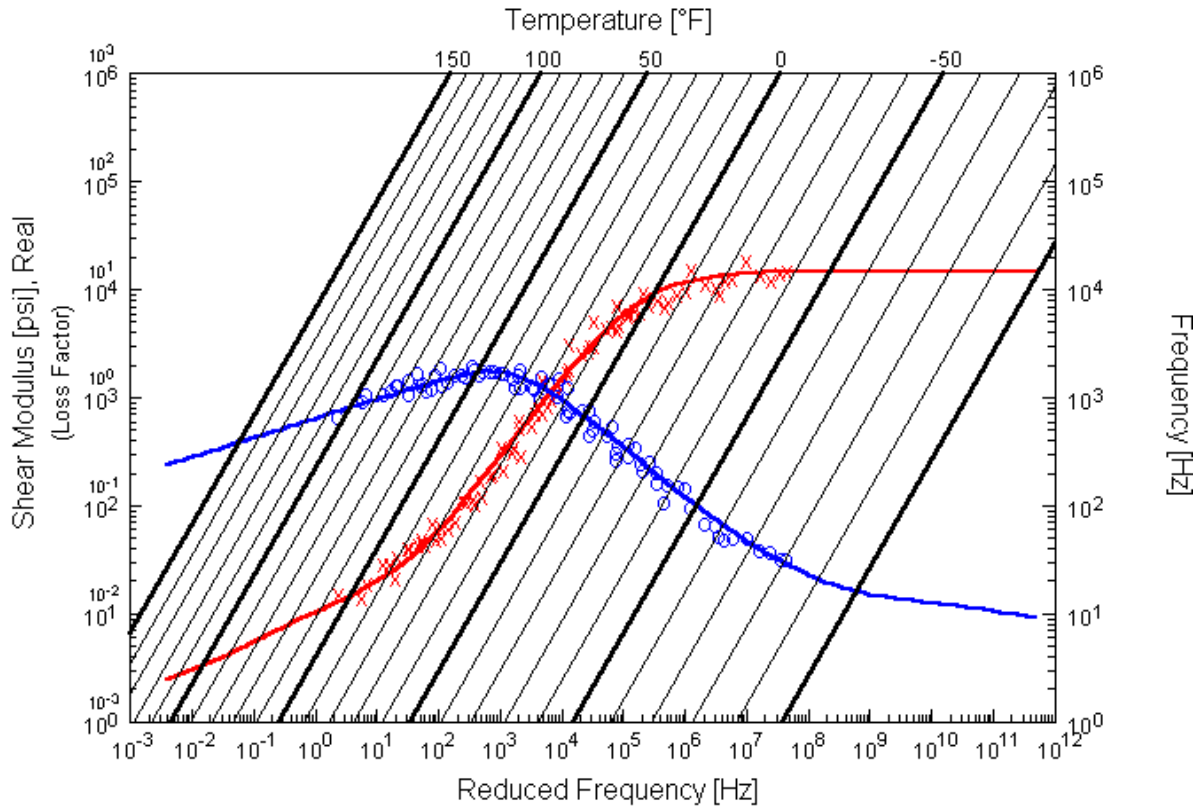
**NOTE: PERFORMANCE DATA INDICATES TYPICAL PRODUCTION VALUES AND SHOULD NOT BE USED FOR MINIMUM SPECIFICATION VALUES.**

**DATE: 2/14/05 jrj**

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 MD45 Adhesive

01-Apr-04  
JDC MD45



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