

# Aceto Corporation

One Hollow Lane, Lake Success, New York 11042-1215

Phone: (516) 627-6000 • Fax: (516) 627-6093 • Website: [www.aceto.com](http://www.aceto.com)



## MBOEA

(Methylene bis-o-Ethylaniline)

also known as DE-DDM

### TECHNICAL DATA

Chemical Name: Liquid Aromatic Diamine Hardener  
4,4' – Methylene bis(2-ethylaniline)  
4,4' – Methylene bis (2-ethylbenzenamine)

Specifications:

Visual Appearance:	Clear Dark Liquid
Viscosity:	2,000 – 5,000 cps
Active Hydrogen Eq. Wt.:	61-66 (34 pbw with liquid epoxy)
Amine Eq. Wt.:	124-130
Assay by GC: Assay:	97%
Solids:	100%
Water Content:	0.1 max

Suggested Formulation Properties:

Product	Parts by Weight	
Epon 828	100	
MBOEA	34	
Gel Time @ 150 C, min.	14.5	
Cure schedule @ 150 C	2 hours	
Mechanical Properties	Test Temperature	
	77 F	200 F
Flexural Strength, ksi	21.4	8.5
Modulus	477	25.1
Tensile Strength, ksi	13.6	5.9
Modulus	493	308

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Tensile Elongation @ RT, %	5.7	14
% Water Pick-up *	1.1	
Tg, cured 2 hours		
@ 150 C	124	
@ 200 C	131	

\* Specimen immersed in 70 C water for three days.

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