



THE HANSON GROUP. LLC
GOOD PEOPLE, GREAT SCIENCE

3044 Adriatic Court, Peachtree Corners, GA 30071

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TECHNICAL DATA SHEET

MBOEA

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.

Shelf Life

The shelf life is 24 months under recommended storage conditions. After 24 months, retest material.

For more information about safety and environment, please refer to our SDS or contact our customer service center.

Revision Date: August 1, 2022

OUR PRODUCTS ARE SOLD WITHOUT WARRANTY, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR ANY PARTICULAR PURPOSE