



Technology Data Sheet

Description

Product name: **MDEA**
Chemical Name: 4,4'-Methylene-bis (2,6-diethylaniline)
CAS No: 13680-35-8
M. F.: C₂₁H₃₀N₂
M. W.:310.49

Specification & Typical properties

Item	Specification
Appearance	Off-white powder
Purity (HPLC)	≥99.0%
Melting point	87.0~89.0 °C
Water content (KF.)	≤0.10%

Features & Applications

The MDEA is used as polyurethane chain extender and epoxy curing agent.

MDEA is a chain extender for polyurethane and also a curing agent for epoxy resin. The products have good dynamic mechanical properties which are not available in common chain extenders. It is also used in the synthesis of polyimides and as an intermediate in organic synthesis.

MDEA is suitable for casting polyurethane elastomer (CPU), RIM elastomer and coating (including spraying elastomer coating) in polyurethane field. The product has good hydrolytic stability and low water absorption. As an excellent chain extender and curing agent, it can improve the mechanical and dynamic properties of products. It is also suitable for Thermoplastic polyurethane (TPU), adhesive, prepreg and chemical anticorrosive coatings. It can also be used as polyurea resin curing agent.

Package and Storage

25kg net weight in carton with polyethylene liner.

This product should be stored in a well-ventilated and dry place. Keep it away from sunlight

Shelf life of this product is 2 years. If stored over shelf life, it can still be used when the main application properties be qualified by inspecting.