

Polyoxypropylenediamine, Mn $\approx$ 4000

Diamine, primary amine ends · polyetheramine D-4000

Polyoxypropylenediamine, Mn $\approx$ 4000, polyetheramine D-4000 · RS-D4000 · CAS 9046-10-0 · Technical Data Sheet · RawSource · rawsource.com/product/polyetheramine-d-4000/

CAS NO. 9046-10-0	PRODUCT CODE RS-D4000	GRADE polyetheramine D-4000	PRODUCT TYPE Polyetheramine
-----------------------------	---------------------------------	---------------------------------------	---------------------------------------

A difunctional primary amine with repeating oxypropylene units in its backbone and an average molecular weight of about 4000. The primary amine groups sit on secondary carbon atoms at the ends of the aliphatic polyether chains.

DISTRIBUTED BY

RawSource Inc.

515 E Las Olas Blvd, Suite 1301, Fort Lauderdale, FL 33301

305-307-6515 · solutions@rawsource.com ·

rawsource.com

Product page:

rawsource.com/product/polyetheramine-d-4000/

Request a quote: solutions@rawsource.com ·

305-307-6515

Quote by RS code: RS-D4000

GENERAL INFORMATION

Functionality Diamine, primary amine ends

Nominal molecular weight 4,000

Molecular formula (as stated) $\text{CH}_3\text{CH}(\text{NH}_2)\text{CH}_2[\text{OCH}_2\text{CH}(\text{CH}_3)]_x\text{NH}_2$

TYPICAL PROPERTIES

Equivalent weight with isocyanates 2000 g/eq

Active hydrogen equivalent weight (AHEW)

1000 g/eq

Typical values are representative of the product and are not specifications.

RELEASE SPECIFICATION

PARAMETER	SPECIFICATION	TYPICAL
Appearance	Colorless to yellowish transparent liquid	Colorless transparent liquid
Color	75 max APHA	8 APHA
Primary amine	95.0 min %	Conform
Moisture	0.25 max %	0.02 %
Amine value	0.44 – 0.52 mmol/g	0.45 mmol/g

Each lot is released against this specification. Lot-specific results are reported on the Certificate of Analysis that ships with every delivery.

POLYOXYPROPYLENEDIAMINE, MN $\approx$ 4000 · TECHNICAL DATA SHEET

APPLICATIONS

- Reacts as a typical primary amine; fast-reacting with isocyanates, widely used in polyurethane and polyurea applications
- Used in conjunction with other polyamines; formulated systems exhibit enhanced peel strength
- Epoxy systems for metal priming via cathodic electrodeposition

Applications are those stated for the grade. Confirm suitability for each formulation by trials.

PACKAGING AND STORAGE

- Packaging: 200 kg drums (nitrogen blanketed); 1,000 kg IBC totes; ISO tank.
- Handling, storage and shipping; refer to the SDS.

The information in this Technical Data Sheet is provided for technical evaluation and is believed to be accurate as of the issue date. Typical values are representative and do not constitute a warranty. Binding specifications are those stated on the lot-specific Certificate of Analysis and in the sales contract. Users should verify suitability for their own process and regulatory requirements. Refer to the Safety Data Sheet before handling. Questions: solutions@rawsource.com.