

Technical Data Sheet

4-ADPA

Product Description

Chemical name: 4-Aminodiphenylamine

Molecular weight: 184

4-ADPA is used as a chemical intermediate.

Typical Properties

Property	Test Method	Typical Value, Units
General		
Form		Liquid
Melting Point, Final	FF83.9	70-76 °C
Specific Gravity @ 90/15°C	FF97.4	1.1

Applications

- 4-ADPA, as a chemical intermediate, is used in the manufacture of aniline type dyes.
- 4-ADPA may be used as an antioxidant in certain fuels and as a component in lubricant additives.
- Antidegradants manufactured from 4-ADPA are used in both the rubber and fuels industry.

Storage and Shelf Life

For bulk storage, 4-ADPA should be maintained at 85-95°C under a nitrogen blanket. For shipment in isotanks, trucks and rail cars, 4-ADPA can be allowed to solidify. The container should be kept under a nitrogen blanket with enough initial pressure to avoid a vacuum from cooling and solidification of the 4-ADPA. Remelting of the 4-ADPA to 90°C can be done with either 40 psig or 3 barg steam and should be done with nitrogen blanketing supplied to the container. If it is desired to keep 4-ADPA molten during shipment, then the conditions above for bulk storage should be used.

The shelf life of 4-ADPA is 24 months from the date of manufacture, based on the recommended handling and storage conditions. Once the material has surpassed shelf life, please contact us if you would like to receive our suggestions for material re-verification, based on key product characteristics.

Handling Precautions

For detailed information on toxicological properties and handling precautions please refer to the current Safety Data Sheet. This information sheet can be downloaded from our web site or requested from the nearest Eastman office and should be consulted before handling this product.

Comments

Properties reported here are typical of average lots. Eastman makes no representation that the material in any particular shipment will conform exactly to the values given.

Eastman and its marketing affiliates shall not be responsible for the use of this information, or of any product, method, or apparatus mentioned, and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and for the health and safety of your employees and purchasers of your products. No warranty is made of the merchantability of fitness of any product, and nothing herein waives any of the Seller's conditions of sale.

9/25/2018 1:56:56 PM

© 2019 Eastman Chemical Company or its subsidiaries. All rights reserved. As used herein, ® denotes registered trademark status in the U.S. only.