

p-Phenylenediamine

Introduction

p-Phenylenediamine is a widely used intermediate, it can be used to prepare azo dyes, high molecular polymers, and can also be used to produce fur dyes, rubber antioxidants and photo developers. In addition, p-Phenylenediamine is sensitive reagent to test iron and copper. p-Phenylenediamine is an extremely important dye intermediate. It is mainly used in aramid fibers, azo dyes, sulfur dyes, acid dyes, etc. There are benzene rings and amino groups in the molecule, so it has the properties of these two functional groups.

Typical Applications

- Aramid fibers
- Polyimide
- Dye
- Rubber injection agent



Advantages

- Cui hydrogenation production technology
- High quality
- Stable output
- Environment friendly



Technical Indicators

| | Test items | unit | standard |
|--------------------|--------------------------------------|------|--|
| Premium | Exterior | | White to light red crystal |
| | Initial melting point of dry product | ℃ | 138 |
| | P-phenylenediamine purity | % | 99.9 |
| | O-Phenylenediamine content | % | 0.04 |
| | M-phenylenediamine content | % | 0.04 |
| | P-chloroaniline content | % | 0.01 |
| qualified products | Exterior | | Yellowish brown to grayish brown crystal |
| | Initial melting point of dry product | ℃ | 136 |
| | P-phenylenediamine purity | % | 99.0 |
| | O-Phenylenediamine content | % | — |
| | M-phenylenediamine content | % | — |
| | P-chloroaniline content | % | — |



TECHNICAL DATA SHEET

p-Phenylenediamine

Typical Physical Properties

These properties are typical but should not be considered specifications.

| | |
|---|--------------------------|
| Appearance | White flaky solid |
| Melting/Freezing Point (°C) | 139-147 |
| Initial Boiling Point and Boiling Range(°C) | 267 |
| Auto-Ignition Temperature(°C) | 400 |
| Relative Density(Water=1) | 1.1 |
| Packing | Cardboard drum , Ton bag |
| Net weight(KG) | 25 50 500 |

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