

## 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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