

ZY-200 Phenol Removal Adsorbent

TECHNICAL DATA SHEET

Document No.	Version	Issue date	Revision date
ZY-200-TDS-EN	V1.0	-	-

01 Product overview

ZY-200 Phenol Removal Adsorbent is supplied as functional polymer resin adsorbent. It is intended for the applications and performance ranges described in this document.

02 Basic information

Property	Value
Product name	ZY-200 Phenol Removal Adsorbent
Short name	ZY-200
CAS number	Not applicable; functional resin mixture
EC number	Not applicable
Molecular formula	Not specified
Molecular weight	Not applicable
Appearance	Brown to black granules

03 Product features

- Designed for volatile phenol concentrations of 1,000-30,000 ppm
- Volatile phenol removal of 97-99% under stated conditions
- Saturated capacity of 0.5-1.0 g/g and more than 100 regeneration cycles
- Phenol recovery of up to 80% from the regeneration liquor
- Indicative treatment cost of RMB 10-30 per metric ton of wastewater, depending on influent concentration

04 Typical specifications

Property	Specification	Method / remarks
Appearance	Brown to black granules	-
Odor	No characteristic odor	-
Particle size	100-3,000 μ m	-
Moisture	20-40%	-
Saturated adsorption capacity	≥ 0.5 g/g	Volatile phenol
Initial adsorption rate	$\geq 75\%$	-
Regeneration cycles	≥ 100	Alkaline regeneration

05 Recommended applications

- Removal of phenolic compounds from coal-chemical and coking wastewater
- Treatment of phenols and aromatic amines in petrochemical wastewater
- Adsorption of aromatic or heterocyclic acids and amines
- Adsorption of selected heavy-metal ions

06 Packaging

1,000 kg bulk bag. Custom packaging available.

07 Storage and handling

Store sealed in a dry, cool place away from fire and heat. Shelf life: 12 months in the original packaging.

08 Disclaimer

This information is provided in good faith based on current knowledge. Conditions and methods of use are beyond the supplier's control. The user is responsible for evaluating the product for the intended application and required performance. For reference only. Final requirements are subject to the executed contract and current product documentation.

Supplier	Contact
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