

Technical Data Sheet

Lithium Cobalt Oxide Powder

Product ID: 03270800PD001 - 03270800PD003
Formular: LiCoO₂ **Molecular weight:** 97.87 g/mol
CAS No.: 12190-79-3 **EINECS No.:** 235-362-0
Appearance: Black
Description: Lithium cobalt oxide (LCO) powder offers high energy density, high operating voltage, stable cycling performance, and mature manufacturing technology, making it one of the most widely used cathode materials for lithium-ion batteries.
Application: Liquid lithium-ion batteries, soft-pack batteries, and polymer lithium-ion batteries.

Product Image:



1. Physical Properties

Product ID	Formular	Particle size
03270800PD001	LiCoO ₂ (99.9%)	-100 Mesh
03270800PD002	LiCoO ₂ (99.9%)	D50: 50-80µm
03270800PD003	LiCoO ₂ (99.9%)	D5< 15µm
03270800PDDZ	LiCoO ₂ (99.9%)	Customized

2. Chemical compositions

Element Typical Value Purity	Metal impurities (ppm)				
	Na	Fe	Cu	Zn	Ca
99.9%	≤ 300	≤ 200	≤ 100	≤ 50	≤ 100

Note: The purity values shown are calculated by subtracting the sum of selected measured elemental impurities from 100%. These values do not represent the result of a full elemental analysis.

3. Packaging

Bottled / Bag.

Double vacuum packed.

Custom packaging is available.

4. Period of Validity

It is recommended to use this product within 24 months. If it is overdue, the product quality status should be re-evaluated.

5. Handling and Storage

Handle in a well-ventilated area while minimizing dust generation and using appropriate personal protective equipment (PPE).

Store in a tightly sealed container in a cool, dry, and well-ventilated place away from moisture and incompatible materials.

Contact Us

Website: www.vimaterial.de

Email: info@vimaterial.de

Tel: 0049 1626484175

Add: Begener Straße 14., 30625 Hannover, Niedersachsen, Germany.