



Sundow Polymers Co., Ltd.

Office: 8 F/L., Renhe Mansion, No. 399, Xuanwu street, Economic
developing Zone, Weifang City, Shandong Province, China,
Post code: 261031 Tel: + (86) 536 8057068 Fax: + (86) 536 8057018
Email: info@sundow.com Web site: <http://www.sundow.com>

Technical Data Sheet

Dicumyl Peroxide (DCP)

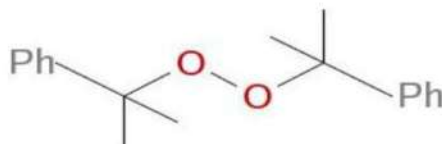
Version: 02
Revision date: 05 Mar.2018

1. General Statement

Dicumyl peroxide is primarily used in the manufacture of polymers and elastomers. White crystal, insoluble in water, dissolving in alcohol, ether, benzene, and other organic solvents. Sublimable in high vacuum.

2. Chemical Identity

Name: Dicumyl peroxide, bis(α,α -dimethylbenzyl) peroxide, DCP
Chemical name (IUPAC): 1,1'-(dioxydipropene-2,2-diyl)dibenzene
CAS number: 80-43-3
EC number: 201-279-3
Molecular formula: $C_{18}H_{22}O_2$
Molecular weight: 270.38
Structure:



3. Quality Standard

Item	Specification
Appearance	White crystals
Purity (wt %)	≥ 99.0
Active Oxygen Content (wt %)	5.8
Melting Point (°C)	≥ 39.0
Volatiles (wt %)	≤ 0.2
Melt color (Pt-Co)	≤ 100

4. Applications

- (1) An efficient organic peroxide cross-linking agent for PE, EVA, EPR, Silicone and VAE.
- (2) Cross-linking agent for EVA foam sheet, EVA shoe sole, PE foam.
- (3) Initiator of polymerization of Styrene, mainly used for EPS resin.
- (4) Initiator/cross-linking agent for XLPE, mainly used for cable insulation material.
- (5) Curing agent or hardener for UP resin, acrylic resin.

5. Packing and Storage

5 kg /PE bag, 20 kg / Carton, 15.8 mt in 20 FCL.

Keep contains tightly closed. Store and handle in a dry well-ventilated place away from sources of heat or ignition and direct sunlight. Never weigh out in the storage room. Avoid contact with reducing agents (e.g. amines), acids, alkalis and heavy metal compounds (e.g. accelerators, driers and metal soaps).