

LUPEROX[®] DC40P-SP2

40% Powder on calcium carbonate

Chemical name: Dicumyl peroxyde

CAS Number: 80-43-3

Molecular Weight (g/mol): 270.4

STANDARD SALES SPECIFICATIONS

Characteristics	Value
Appearance	Powder
Peroxide content	38.0 - 42.0%
Active oxygen	2.25 - 2.49%

TYPICAL PROPERTIES

Property	Value
Self Accelerated Decomposition Temperature (SADT)	80°C
Density	1530 kg/m ³
Melting point	39°C

APPLICATIONS

Luperox[®] DC40P-SP2 E is a monofunctional peroxide formulation used for the crosslinking of natural and synthetic rubbers. It is used in many applications such as building profiles, automotive rubber parts, wire and cable, technical rubber parts.

LUPEROX[®] DC40P-SP2

HALF-LIFE TEMPERATURE

The half-life time of a peroxide $t_{1/2}$ is a suitable means to determine its reactivity. It is dependent on temperature and can be calculated according to the Arrhenius equation.

	decane
$t_{1/2}$ (1 min)	178°C / 352°F
$t_{1/2}$ (6 min)	159°C / 318°F
$t_{1/2}$ (60 min)	137°C / 279°F

SAFETY AND HAZARD CLASSIFICATION

Please consult the Safety Data Sheet before using the product.

STORAGE AND HANDLING

Please consult the Safety Data Sheet or the brochure « Safe handling of Organic Peroxides ». Storage temperature: < 30 °C.

PACKAGING AND TRANSPORT

In a 20 kg carton box.

Arkema Inc. (USA)
900 First Avenue
King of Prussia, PA 19406 - USA
T +1 610 205 7000

Arkema Investment Co. Ltd (China)
6/F Block 1, Life Hub@Daning
1868 Gonghexin Road,
200072 Shanghai - China
T +86 21 6147 6888

Headquarters: Arkema France
51, Esplanade du Général de Gaulle
92800 Puteaux - France
T +33 (0)1 49 00 80 80
www.luperox.arkema.com

Disclaimer - Please consult Arkema's disclaimer regarding the use of Arkema's products on <https://www.arkema.com/global/en/products/product-safety/disclaimer/> which is incorporated herein by reference and made a part hereof. Arkema France, a French société anonyme registered at the Trade and Companies Register of Nanterre under the number 319 632 790

www.arkema.com

ARKEMA

harwick.com

Marketed By Harwick Standard Distribution Corporation

(330) 798-9300