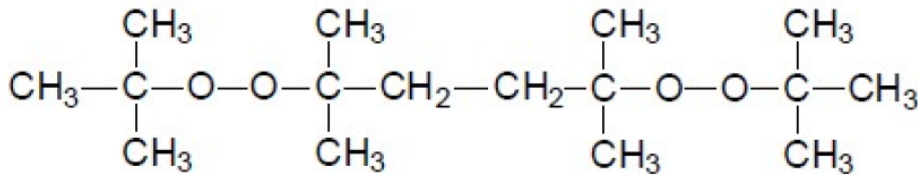


LUPEROX[®] 101XL45

45% Powder on calcium carbonate and silica



Chemical name: 2,5-dimethyl-2,5-di(tert-butylperoxy)hexane

CAS Number: 78-63-7

Molecular Weight (g/mol): 290.44

STANDARD SALES SPECIFICATIONS

Characteristics	Value
Appearance	Powder
Peroxide content	45-48 %

TYPICAL PROPERTIES

Property	Value
Bulk density	550 kg/m ³

APPLICATIONS

Formulation is useful in the crosslinking of engineered rubber and elastomers. In the mixing of these compounds using various technologies, Luperox[®] 101XL45 offers users better ease-of-use during compounding or extrusion, relative to using a pure liquid peroxide.

LUPEROX® 101XL45

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.

$t_{1/2}$ (60 min)	140°C / 284°F
$t_{1/2}$ (600 min)	120°C / 248°F

SAFETY AND HAZARD CLASSIFICATION

Please consult the Safety Data Sheet before using the product.

STORAGE AND HANDLING

Luperox® 101XL45 crosslinking peroxide has a shelf-life of 12 months from the date of Arkema delivery.
Do not store above: 38°C (100°F)

PACKAGING AND TRANSPORT

Luperox® 101XL45 crosslinking peroxide is packaged in 50-pound boxes.

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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

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