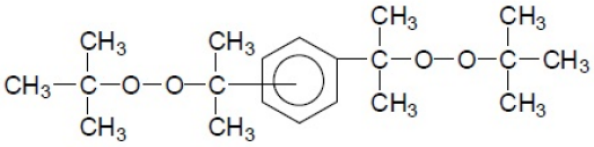
LUPEROX®
VUL-CUP®

VUL-CUP® 40C

40% Powder on calcium carbonate



Chemical name: di(tert-butylperoxyisopropyl)benzene

CAS Number: 25155-25-3

Molecular Weight (g/mol): 338.5

STANDARD SALES SPECIFICATIONS

Characteristics	Value
Physical form	Powder
Assay	38.0 – 40.5 %

TYPICAL PROPERTIES

Property	Value
Self Accelerated Decomposition Temperature (SADT)	70 °C / 158 °F

APPLICATIONS

Many users prefer to work with this formulation for ease of use. Compared with pure peroxide, Vul-Cup® 40C offers easier handling, and more accurate addition to elastomer compounds. Vul-Cup® 40C is typically used as a crosslinking agent for curing rubber and elastomers at temperatures of 330°F to 450°F.

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.

VUL-CUP® 40C

$t_{1/2}$ (60 min)	139°C / 282°F
$t_{1/2}$ (600 min)	119°C / 246°F

SAFETY AND HAZARD CLASSIFICATION

Please consult the Safety Data Sheet before using the product.

STORAGE AND HANDLING

Vul-Cup® 40C has a shelf life of 1 year from date of Arkema delivery if stored according to guidelines.
Do not store above: 38ºC (100ºF)

PACKAGING AND TRANSPORT

Vul-Cup® 40C is packaged in 100 lb fiber drums or 20 kg cartons.

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