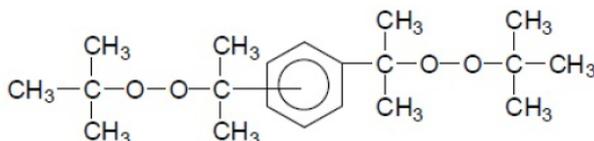


VUL-CUP[®] 40KE

Vul-Cup[®] 40KE is 40% powder on kaolin clay



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	39.5 – 41.5 %

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[®] 40KE offers easier handling, and more accurate addition to elastomer compounds. Vul-Cup[®] 40KE 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® 40KE

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® 40KE has a shelf life of 1 year from date of Arkema delivery if stored according to guidelines. Do not store above: 38°C (100°F)

PACKAGING AND TRANSPORT

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

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