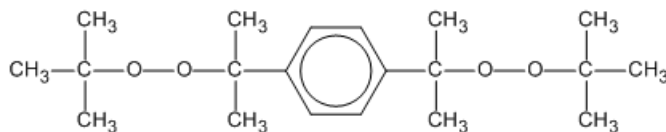


Vul-Cup[®] 40C

Crosslinking Peroxide

Introduction & Applications

Vul-Cup[®] 40C crosslinking peroxide is free-flowing powder formulation with an active concentration of 40% peroxide and remainder precipitated calcium carbonate. 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.



Product Description

Chemical Name	CAS-No.	Wt/Wt
calcium carbonate		≤ 60%
di(tert-butylperoxyisopropyl)benzene	25155-25-3	≤ 42%

Standard Specifications

physical form/description	off-white solid powder
assay	38.0 – 40.5%
% retained on 20 mesh	≤ 1%

Typical Physical Properties

SADT	70°C (158°F)
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Half-Life Data

Half-life can be defined as the time required at a specific temperature, to affect a loss of one-half of the peroxide's active oxygen content. The efficiency of a free radical initiator depends upon its rate of decomposition.

Time	Deg C	Deg F
10 hours	119	246
1 hours	139	282

Half-life data can be a useful guide in selecting the optimum initiator for a specific application. Several factors apply to half-life data obtained in dilute solution:

- Use only applies to thermolytic decomposition
- Half-life varies in different solvents due to induced decomposition if no radical scavenger is present

Temperature Tolerance

Do not store above: 38°C (100°F)

Shelf-Life

Vul-Cup[®] 40C has a shelf life of 1 year from date of Arkema delivery if stored according to guidelines.

Packaging

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

Availability

Vul-Cup[®] 40C is available in North America from Arkema and authorized distributors. To discuss availability or speak to a salesperson, please call 844-LUPEROX.

VUL-CUP[®]
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