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RUBBER CHEMICALS -PEROXIDES-

AKROCHEM VAL 40C

DESCRIPTION:

Akrochem VAL 40C is a dispersion of liquid peroxide, Butyl-4,4-di-(tert-butylperoxy) **valerate** on calcium carbonate. It is used as a crosslinking agent for synthetic and natural rubbers. VAL 40C peroxide is noted for its high reactivity at lower processing and curing temperatures (see half-life times below). This allows faster cures at higher temperatures (170°C) or normal cures at lower temperatures (160°C).

TYPICAL PROPERTIES:

Appearanceoff white powder
Peroxide Content40%
Specific Gravity1.40 (calc.)
Recommended Storage Temperature.....below 30°C

APPLICATIONS:

Akrochem VAL 40C peroxide is used as a catalyst for crosslinking any synthetic or natural rubber that can be cured with peroxides. The powdered form provides ease of handling and weighing accuracy. VAL peroxide is a low odor catalyst.

<u>Half-life times</u>	<u>VAL</u>	<u>Dicumyl</u>	<u>Bis-peroxide (VC)*</u>
10 Hours	104°C	112°C	117°C
1 Hour	130°C	138°C	146°C
0.1 Hour	152°C	162°C	169°C
Approx. Equivalent State-of-Cure(in phr)	1.95	1.60	1.00

* α , α' bis-(t-butyl peroxy) diisopropyl benzene

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