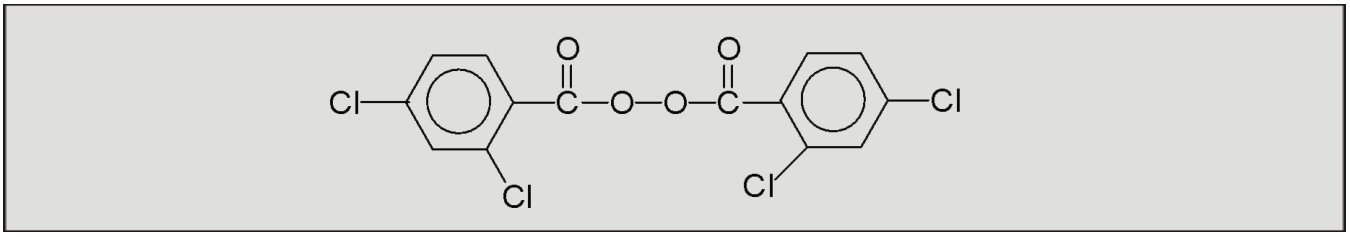
KMC DCBP-50

Technical Data Sheet - Crosslinking - Diacylperoxides



Chemical Name	Di(2,4-dichlorobenzoyl)peroxide
CAS-No.	133-14-2
Molar mass	380.0 g/mol
Properties	50 %, Paste in silicone oil

Description
White, stiff paste, consisting of approx. 50 % di(2,4-dichlorobenzoyl)peroxide, desensitised with silicone oil. This halogenated diaroyl peroxide is used as an initiator (radical source) in the crosslinking of polymers at above 100°C, particularly silicone rubbers.

Advantages
Increased crosslinking speed compared to our standard product DCLBP-50-PSI. The new product DCLBP-50-S was adapted to the requirements of manufactures and has a number of advantages:

- increased productivity, up to 10 -15%
- low tendency of bubble formation by fast crosslinking rate in the first oven section
- improved stability of dimensions and reduced tackiness of extruded profiles

Technical Data

Property	Characteristics / Value
Appearance	white paste
Peroxide content	ca. 50 % w/w
Active oxygen	ca. 2.10 % w/w
De-sensitising agent	silicone oil
Density at 20°C	ca. 1.2 g/cm^3
Consistency	stiff paste
Critical temperature (SADT)	ca. 60 °C
Cold storage stability	liquid to below -25 °C
Recommended storage temperature	below 30 °C
Storage stability as from date of delivery	6 months

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Application

SILICONE RUBBER CROSSLINKING:

Crosslinking temperature: above 100°C. At below 60°C no premature crosslinking (scorch) occurs. Usage levels: 1-2 % of product as supplied on the material to be crosslinked. The paste form facilitates mixing and homogenisation.