



AKROCHEM® DMB-50

DESCRIPTION:

Akrochem DMB-50 is a monofunctional peroxide in paste form which is mainly used for the crosslinking of silicone rubbers.

TYPICAL PROPERTIES:

Appearance	white to yellow
Assay Content	50%
Specific Gravity	1.22 g/cm ³
H ₂ O	1.5% max
Critical Temperature (SADT)*	80°C
Recommended Storage Temperature	below 30°C

*Self-Accelerating Decomposition Temperature

APPLICATIONS:

Akrochem DMB-50 peroxide is mainly used for the crosslinking of silicone rubbers.

1. With Akrochem DMB-50 silicone rubber compounds can be cured without external pressure (hot air and/or IR vulcanization).
2. Akrochem DMB-50 can easily be incorporated into silicone rubber compound on a 2-roll mill.
3. Safe processing temperature: 80°C (rheometer t_{s2} > 20 minutes).
4. Typical crosslinking temperature: 105°C (rheometer t₉₀ about 12 minutes).
5. To obtain a suitable degree of crosslinking in silicone polymers, the level of dosing is recommended to be 1.1 – 2.3 phr.

SAFETY and HANDLING:

Keep containers tightly closed. Store and handle Akrochem DMB-50 in a dry well-ventilated place away from sources of heat or ignition and direct sunlight. Please refer to the Material Safety Data Sheet(MSDS) for further information on safe storage, use and handling of Akrochem DMB-50.