

**SINOXE DHBP**

SINOXE DHBP is a colorless to slightly yellow liquid consisting of, 2,5-Dimethyl-2,5-Bis (t-butyl peroxy) hexane, low volatility, dialkyl peroxide for crosslinking of elastomers (silicone rubber, EPDM, PE, etc.) and used as modification agent of PP degradation.

➤ **FEATURES**

Rubber compounds containing DHBP have excellent scorch safety

Safe processing temperature :135° C (rheometer  $t_{s2} > 20$  minutes)

Typical crosslinking temperature: 175°C (rheometer  $t_{90}$  about 12 minutes)

**PROPERTIES**

IUPAC Name of Peroxide	2,5-Dimethyl-2,5-Bis (t-butyl peroxy) hexane
State	Liquid
Density ( $d^{20}_4$ )	0.87
Melting point	8° C
Theoretical Active oxygen	11.02%
Appearance	Colorless to slightly yellow liquid
Solubility	Soluble in alcohol, esters, olefins and most of organic solvents, insoluble in water
Package and Storage	20kg or 25kg, net, PE drum. Stored in cool and draughty place.
Half life	The half-life temperatures are 118°C for 10 hours, 138°C for 1 hour and 177°C for 1 minute.