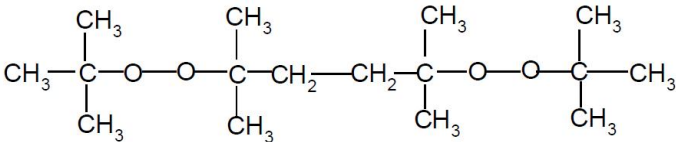


DBPH(101)

Chemical name	2,5-Dimethyl-2,5-bis(tert-butyl peroxy) hexane	
	Molecular formula	C ₁₆ H ₃₄ O ₄
	Molecular weight	290.44
	CAS NO.	78-63-7
	UN NO.	3103
	CN NO.	52005
	EINECS.	201-128-1

Brief Introduction:

- DBPH is a low volatility, yellowish liquid, dialkyl peroxide for cross linking of elastomers (silicone rubber, EPDM, PE etc.).
- Melting Point 8 °C, relative density 0.865, refractive index 1.4185 (28 °C) , flash point: closed/36 °C , open/58 °C , self-accelerating decomposition temperature /80 °C . Not soluble in water, soluble in alcohols, esters, ethers, hydrocarbons and organic solvents, has a special smell. Active oxygen Content 11.02%.

Half Life Data:

- Activation Energy...36.0kcal/mole
- 10hr, Half Life Temp..... 118°C
- 1hr, Half Life Temp.....138°C
- 1min, Half Life Temp..... ...177 °C

Specification:

Assay	≥94%
Color	Max.90Hazen
Fe	Max.0.0003%



Application:

- As cross-linking agent for many polymers, such as polyethylene(LDPE, HDPE), ethylene/vinylacetate copolymer(EAM),ethylene/propylene/(diene)rubber(EPM,EPDM),silicone rubber (VMQ) and fluor elastomers.
- Corsslinking temperature: above,170 °C, the amount of 1.2-2.5% (depending on different types of elastomers required).

Package and Storage:

- 20kg or 25kg net PE drum.
- 10-30 °C stored under shadow, good air circulation. Transportation, exposure and strenuous exercise should be avoided. Refrain from heat and acid, reducing agent such as during storage or shipment.

Formulation:

DBPH(101)-C8BS-45ps (It is a yellowish paste ,also used for crosslinking of silicone rubbers.)

DBPH(101)-60D-pd (It is a white powder, also used for crosslinking of silicone rubbers.)