



## **Kemai Chemical Co., Ltd.**

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### **Technical Data Sheet**

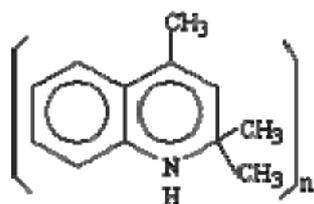
#### **Antioxidant TMQ**

2,2,4-Trimethyl-1,2-dihydroquinoline,

**CAS NO.:**26780-96-1

Chemical Molecular (C<sub>12</sub>H<sub>15</sub>N)<sub>n</sub>

Chemical Structure



#### **APPLICATION**

A rubber antioxidant. A kind of amine antideteriorant. The property of anti-heat oxide is good. A radical scavenger in a wide range of elastomers to protect against oxidative aging. TMQ provides oxidation protection to nearly all elastomer types in a variety of applications, having a wide range of temperatures exposure. The long persistence in rubber allows it to provide long term heat aging resistance to rubber compounds. Inhibits oxidation catalyzed by heavy metals such as copper and manganese. As a result of its high molecular weight, it migrates slowly within the rubber matrix and does not bloom. Used in light compounds, but will cause some minor discoloration. It causes only minimal staining.

#### **HANDLING PRECAUTIONS**

For detailed information on toxicological properties and handling precautions please refer to the current Safety Data Sheet.

#### **STORAGE RECOMMENDATIONS**

Store TMQ in single stacked pallets in a cool, dry, well-ventilated area, avoiding exposure of the packaged product to direct sunlight. Double stacking of palletized material and/or exceeding 3 5 c a n result in unusual compaction of product.

**PACKAGING:** 25kg paper bag.

**SPECIFICATION:**

<b>Name of Index</b>	<b>Specification</b>	<b>Test Method</b>
Appearance	Amber to light brown granular	
Sofening point °C	80.0-100	GB/T8826-2011
Heating loss % ≤	0.50	GB/T8826-2011
Ash content % ≤	0.50	GB/T8826-2011
Ethenol insolubels % ≤	0.30	GB/T8826-2011