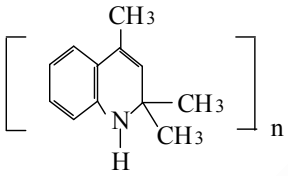
Rubber Antioxidant TMQ(RD)

Chemical Name 2,2,4-Trimethyl-1,2-dihydroquinoline polymer

Molecular Structure



Molecular Formula $(C_{12}H_{15}N)_n$

CAS No. 26780-96-1

Specifications GB8826-88

Item	Specifications	
	High grade	1st grade
Appearance	Amber to brown granular	
soften temperature (℃)Min.	80～100	80～100
Heat Loss (%)Max.	0.2	0.5
Total content of dimer, trimerand tetramer, %Min	70	50
Isopropyl bis aniline content (%)Max	0.2	0.5
Insoluble in ethanol (%)Max	0.2	0.2
Ash (%)Max.	0.2	0.5

Properties Non-toxic. Relative density is 1.05. soluble in benzene, acetone, chloroform, carbon disulfide, a little soluble in petrol-hydrocarbon, insoluble in water.

Applications A kind of amine antioxidant, the property of anti-heat oxide is good. It is suitable to nature rubber and variety of synthetic rubbers except chloroprene rubber. The effecting is invisible to protect curved fatigue and ozone, usually use it with other antioxidant that can protect curved fatigue and ozone. It is widely used to manufacture tyres, rubber tuber, belts, shoes, fiber, normal industrial rubber products, also latex products. It is known as a stabilizer which used to polyisopentadiene rubber, butadiene rubber, butadiene styrene rubber. It is able to inhibit harmful metals.

Storage Store closed containers in a cool, dry, well-ventilated area. Avoid exposure to direct sunlight.

Packing 25kg net paper bags lined with polyethylene film bags.

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