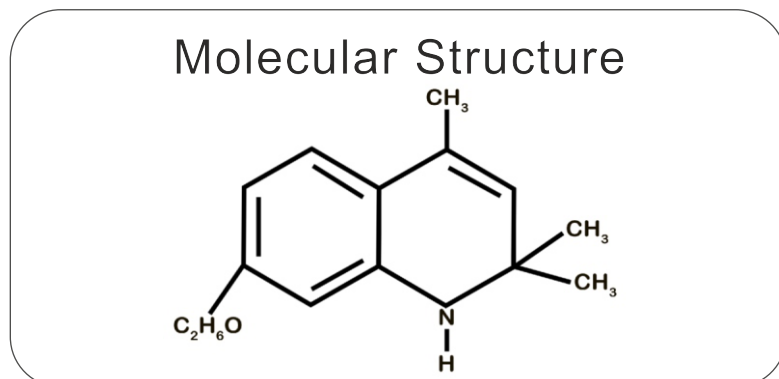




# ANTAGE AW-P

## STRONG ANTIOZONANT



Antage AW-P is an Antiozonant which protects the Rubber Articles from Ozone attack and in addition to that it enhances Heat Resistance and Protection from Oxidation.

### General Properties

Chemical Composition	: 6-Ethoxy-2,2,4-Trimethyl-1,2-Dihydroquinoline
Appearance	: Dark Brown Powder
Specific Gravity	: 1.02 to 1.06
Volatile matter	: 0.5 %
Ash content	: 0.3 %
Solubility	: Benzene, Ethanol, Acetone, Ether, Gasoline, Carbon disulphide & Carbon tetrachloride. It is insoluble in water.

Antiozonants are chemical that delay the Ozone degradation by inhibiting the formation of " free – radicals " and prevent the propagation of " free – radicals " which causes the degradation of the Rubber Articles at normal ( Room Temperature ) and Elevated Temperatures (Heat Ageing).

In simple term Antiozonants protect the Rubber Goods from the attack of Ozone – "O<sub>3</sub>" and Antioxidants protect the Rubber Goods from the attack of Oxygen-"O<sub>2</sub>".The common chemical entity which causes the degradation of rubber goods in both the cases is the "free-radicals"

### Function

Antage AW-P (ETDQ) has very low level of Aminic Impurities and higher level of Dimer and Trimer % hence the Free radical scavenging and propagation is highly efficient. In addition to that, " Antage AW-P" has an Ethyl Pendant Group which protects the Rubber from further attack by the free radical lent by Ozone. The normally used "TDQ's contain Aminic " impurities which activate sulphur and reduces scorch safety of the compound. They also have lower % of Dimer and Trimer which are the active entities for the prevention of Free radical attack and propagation of free radical.

This is unique of Antage AW-P which does not have a parallel products in the industry. Given below is the table of Comparison which clearly shows the high purity level and higher content of effective entities in Antage AW-P which makes it a unique Antiozonant.

