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**RUBBER CHEMICALS**  
**-ANTIOXIDANTS-**  
**STAINING**

**ANTIOXIDANT DQ**

**DESCRIPTION:**

Antioxidant DQ is polymerized 2,2,4-trimethyl-1,2-dihydroquinoline. It is particularly useful in rubber goods requiring resistance to high temperatures. It can also be used as a copper and manganese inhibitor.

**TYPICAL PROPERTIES:**

Appearance.....	Yellow to amber color (Powder and Pellet)
Specific Gravity .....	1.095
Softening point.....	85°C - 95°C (Powder and Pellets)
Odor .....	Very weak, but characteristic
Solubility.....	Acetone, ethyl acetate, benzene, alcohol, methylene chloride and carbon tetrachloride. Insoluble in water.
Storage Stability.....	Excellent
Dispersion.....	Excellent, easily incorporated. Pellets suggested for banbury mixing only. Use powder for mill and solvent systems.

**GENERAL RECOMMENDATIONS:**

Antioxidant DQ is extremely effective in protecting rubber products based on natural rubber, polyisoprene, SBR, EPR/EPDM, NBR and polybutadiene against oxygen and heat simultaneously. It is less suitable for polychloroprene but has a moderately strong antiozonant effect. In natural rubber, it has some anti-flexcracking properties. Antioxidant DQ is non-blooming but does cause discoloration but minimal staining. Increasing amounts in polymers do slightly decrease viscosity. Increasing amounts also improve scorch resistance but increase cure time. Excellent antioxidant for peroxide cures due to minimal interference with cure.

**STORAGE STABILITY:**

Akrochem Antioxidant DQ will remain stable over two years if stored in closed containers, under cool and dry conditions and out of direct sunlight.

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