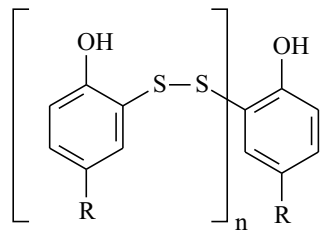
ADDITIVES EXPERT
Zhiyi Specialty Chemicals Co., Ltd.

YITAC® 710
Technical Data Sheet

Introduction

Poly-tert-Butylphenoldisulfide

CAS NO.: 60303-68-6



Physical

Appearance:	Yellow to light brown pastilles
Softening Point, ℃	95-115
Flash Point, ℃	263
Sulfur Content,%	29.5-31.5

Solubility(g/100g solvent)@25°C

Water < 0.01	Toluene >60	N-Hexan <0.1
Ethanol 1.5-2	Acetone 3-4	

Applications

Sulfur donor for natural and synthetic rubbers. YITAC® 710 produces a high percentage of mono-sulfidic crosslinks that results in vulcanizates with superior aging characteristics. YITAC® 710 can be used as either complete or partial replacements for sulfur and thiuram and DTDM sulfur donors in EV and sime-EV type cure systems. In tires YITAC® 710 are used in the innerliner, chafer, bead apex, sidewalls, and tread. Industrial applications include noise damping blocks, motor mounts, dock fenders, elastic threads, automobile engine hoses, gaskets, belts, and other industrial rubber products that require geed heat reistance. The YITAC® 710 also aid in rubber processing. YITAC® 710 polychloroprene vulcanizates have improved flex life.

YITAC® 710 can be used in natural rubber and synthetic elastomers. Especially good in curing rubber that contains chlorine such as chlorobutyl and polychloroprene. It can be used with most typical rubber accelerators and sulfur. When used asa partial replacement for sulfur, YITAC® 710 tends to improve dispersion of other additives in the rubber.