



**橡胶硫化促进剂  
RUBBER ACCELERATOR**

**WILLING TMTD (TT)**

化学名称

二硫化四甲基秋兰姆

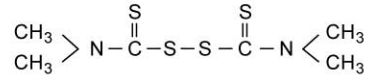
Chemical Name

Tetramethyl thiuram Disulfide

分子式/Molecular Formula

C<sub>6</sub>H<sub>12</sub>N<sub>2</sub>S<sub>4</sub>

结构式/Molecular Structure



分子量/Molecular Weight

240.41

CAS 编号/CAS NO.

137-26-8

技术指标 /Specifications

项目 / Item	粉料 / Powder	加油粉料 / Oiled Powder	颗粒 / Granule
外观(目测) / Appearance	白色至灰白色粉末(颗粒) / White or light gray powder(granule)		
初熔点 / Initial Melting Point, °C ≥	142.0	142.0	142.0
加热减量 / Loss on Drying, %, ≤	0.30	0.40	0.40
灰分 / Ash, %, ≤	0.30	0.40	0.40
筛余物 / Residue on 150 μ m Sieve, %, ≤	0.10	0.10	\
筛余物 / Residue on 63 μ m Sieve, %, ≤	0.50	0.50	\
添加剂 / Additive, %	\	1.0-2.0	\
粒径 / Granule Diameter, mm	\	\	1.0-3.0

**性状  
Properties**

白色至灰白色粉末(颗粒), 相对密度为1.29。能溶于苯、丙酮、氯仿、二硫化碳, 微溶于乙醇、乙醚、四氯化碳, 不溶于水、汽油或稀碱。与水共热生成二甲胺和二硫化碳。对呼吸道与皮肤有刺激作用。

White or light gray powder (granule). The density is 1.29. Soluble in benzene, acetone, chloroform, CS<sub>2</sub>, partly soluble in alcohol, diethyl ether, CCl<sub>4</sub>, insoluble in water, gasoline and alkali with lower concentration. Meeting hot water becomes to dimethyl ammonium and CS<sub>2</sub>. Be sensitive to skin and peogaster.

**用途  
Applications**

橡胶工业中用作超硫化促进剂, 常与噻唑类促进剂并用, 也可与其它促进剂并用作为连续胶料的促进剂。因在100℃以上即缓缓分解折出游离硫, 故可作硫化剂。制品的老化性和耐热性极好。适用于天然胶、合成胶。主要用于制造轮胎、内胎、胶鞋、电缆等工业制品。农业上用作杀菌剂和杀虫剂, 也可用作润滑油添加剂。

Can be used as a single accelerator, as a secondary accelerator or as a sulphur donor in most sulphur-cured elastomers. Scorchy and gives fast cure rates. Produces an excellent vulcanisation plateau with good heat aging and compression set resistance in sulphurless and EV cure systems. Good color retention is obtained in non-black vulcanisation. A valuable secondary accelerator for EPDM. May be used as a retarder in the vulcanisation of polychloroprene rubber with Willing ETU and also be used as bactericide and pesticide.

**包装  
Package**

25kg塑编袋、纸塑复合袋、牛皮纸袋。  
25kg plastic woven bag, paper with plastic film bag, kraft paper bag.

**贮存  
Storage**

应储存在阴凉干燥、通风良好的地方。包装好的产品应避免阳光直射, 有效期2年。  
The product should be stored in the dry and cooling place with good ventilation, avoiding exposure of the packaged product to direct sunlight. The validity is 2 years.

**说明  
Notes**

本产品可以根据客户要求做超细粉末。  
The product could be ultrafine powder based on customer accurate requirement.