

# Rubber Vulcanizing Agent

## [Vulcanizing agent TCY®](#)



Foreign trade name: Vulcanizing agent F

chemical name: Trimer thiocyanate, triazine trithiol, 1.3.5-triazine-2.4.6-trithiol, 2.4.6-trithiol thiotriazine

molecular weight: 177.3

use:

Suitable for acrylic rubber ACM, chloroether rubber CO, chloroprene rubber ECO and chloroprene CR can also be used for rubber-plastic blending materials. This product has fast vulcanization speed, scorch safety, can shorten vulcanization time, and has good mechanical properties of vulcanized rubber.

## [Vulcanizing agent PDM®\(HVA-2\)](#)



Chemical name: N,N'-m-phenylene bismaleime

Molecular weight:268.2

CAS NO.: 3006-93-7

EINECS No 221-112-8

Properties:

Yellow or brown powder, specific gravity: 1.44, soluble in tetrahydrofuran and heat propanone, insoluble in petroleum ether, chloroform, benzene and water, melting point: higher than 195°C.

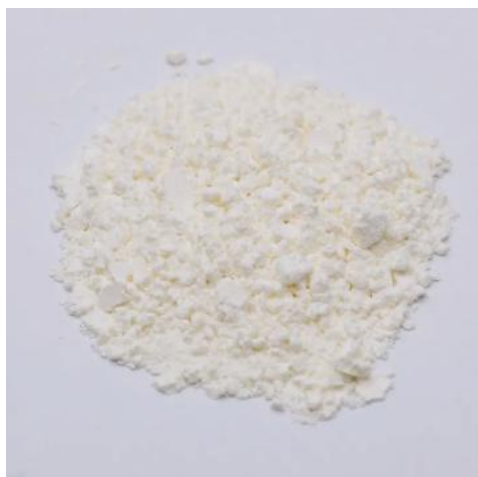
[Insoluble sulphur OT-20/OT-33](#)



Insoluble Sulfur can improve the resistance to both fatigue and ageing of all kinds of rubber products. It is used as the best vulcanizing agent for rubber. And it is widely used in the manufacture of the rubber chemistry such as tire, rubber pipe, shoes, cable and wire, insulating materials, latex, and all kinds of automobile rubber parts, especially for radial tires.

Index	OT20	OT33
Appearance	Non flying yellow powder	
Sulfur content % $\geq$	80.0 $\pm$ 1.0	67.0 $\pm$ 1.0
Insoluble sulfur content ( on total s) % $\leq$	75	60
High temp Stability 105°C/15min (on total s) %min	80	75
Oil content %	20.0 $\pm$ 1.0	33.0 $\pm$ 1.0
Acid content ( H <sub>2</sub> SO <sub>4</sub> ) % $\leq$	0.05	
Heat loss ( 60 $\times$ 2h ) % $\leq$	0.10	
Ash % $\leq$	0.30	
Fineness 150 $\mu$ m (100)meshThrough, %min	1.0	

### Vulcanizing agent HMDC



Chemical Name: Hexamethylene Diamine Carbamate

Other name: Name by DuPont Company: Diak #1

CAS NO: 143-06-6

Quality standard:

Items	Criteria
Appearance	White powder
Melting point	155-160°C
Water Content	≤0.1%
Ash Content	≤0.2%
Median Particle size	≤10μm
Purity	≥99.5%

### Vulcanizing agent DH710



Chemical Name: N-alkylphenoldisulfide

Usage: vulcanizing agent DH710, whose chemical name is alkyl phenol disulfide, with brand name of VTB-710 or V5 (Vultac 5). The appearance of the product is brown resin-like powder

or solid, with combined sulfur content of about 28%. The higher the sulfur content, the resin softening point of the vulcanizing agent is higher and its resin density is also higher. In general case, its relative density of resin is 1.1-1.4 and temperature of softening point is 75-95°C