



### DATA-SHEET

SPECIFICATION & DATA SHEET 物质规格数据表		Chemical Analysis: 化学分析	
Product Code: 产品编码	MSHQD-AC014-01 GT	Chemical Name: 化学名称	Zinc dimethyl dithiocarbamate 二甲基二硫代氨基甲酸锌
Trade Name: 商品名称	Rubber Accelerator ZDMC (PZ) 硫化促进剂 ZDMC(PZ)	CAS No.: CAS 编号:	137-30-4
Molecular Formula 分子式	C <sub>6</sub> H <sub>12</sub> N <sub>2</sub> S <sub>4</sub> Zn	Molecular Weight: 分子量	305.4

Product Information: 产品资料

#### \*\*\*Specification 规格

Appearance (visual inspection): 外观(目测)	White granule 白色颗粒	Assay Content % Min 纯度% 最小值	98.0
Initial M.P. °C Min: 初熔点% 最小值	240	Loss on drying % ≤: 加热减量% ≤:	0.50
Zinc content % 锌含量 %	20.2-21.7	Compacted bulk density (kg/m <sup>3</sup> ): 压缩堆积密度(kg/m <sup>3</sup> ):	455-495
Strength of grain(N) 颗粒强度(N)	0.8-2.5	Bulk density (kg/m <sup>3</sup> ): 堆积密度(kg/m <sup>3</sup> ):	355-395
Density at 20°C (g/cm <sup>3</sup> ) 20°C下的密度(g/cm <sup>3</sup> )	1.700		

#### \*\*\*Typical Properties 主要特性

White or light-yellow granule, inodorous. Soluble in hot chloroform and benzene, insoluble in acetone, carbon tetrachloride, alcohol and water, a little soluble in gasoline, benzene, methyl benzene and hot alcohol.	无气味白色或淡黄色颗粒, 无味。可溶于热的氯仿和苯, 不溶于丙酮、四氯化碳、和水, 微溶于汽油, 苯和甲基苯和热酒精。
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#### \*\*\*Recommended Applications 应用推荐

ZDMC is a secondary ultra accelerator for thiazole and sulfenamide cure systems for general purpose polymers (NR, SBR, IIR, EPDM). It can also be used as a primary accelerator in some continuous cure applicants. Compared to DGP or the thiuram, ZDMC provide faster cured, higher modulus and shorter scorch times. ZDMC is widely used in both natural and synthetic lattices. It should be noted that in the application of ZDMC N-trosodimethylamine can be formed by the reaction of dimethylamine, a decomposition product, with nitrosating agent	在通用聚合物 (NR, SBR, IIR 及 EPDM) 中, ZDMC 用作噻唑与次磺酰胺硫化系统的活性助剂。在一些连续硫化应用中可作主促进剂。 与 DPG 或秋兰姆类促进剂相比较, ZDMC 硫化速度较快, 硫化模量较高, 焦烧时间较短。 ZDMC 广泛应用于天然于合成乳胶中。 应注意的是, ZDMC 与二甲氨反应会产生一种分解产物 N-亚硝基二甲氨, 该产物含亚硝基化合物 (氮氧化合物)。
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#### \*\*\*Handling and Storage recommendations 推荐操作存储条件

ZDMC ought to deposited in a cool, dry, well ventilated area, avoiding exposure of the packaged product to direct sunlight. Usually the shelf time is 12 months while the recommend use of date is 6 months.	ZDMC 应储存在阴凉、干燥、通风条件良好的地方, 产品包装应避免阳光直射 通常情况下保质期为 12 个月, 建议使用 6 个月内。
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#### \*\*\*Package 包装

Bag : 25kg/bag 包装: 25kg/bag	Pallet(1.1*1.1): 600kg/P 托盘(1.1*1.1) : 600kg/P
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