



DATA-SHEET

SPECIFICATION & DATA SHEET 物质规格数据表		Chemical Analysis: 化学分析	
Product Code: 产品编码	AC0014 1 000 42	Chemical Name: 化学名称	Zinc dimethyldithiocarbamate 二甲基二硫代氨基甲酸锌
Trade Name: 商品名称	Accelerator ZDMC (PZ) 促进剂 ZDMC(PZ)	CAS No.: CAS 编号:	137-30-4
Molecular Formula 分子式	C ₆ H ₁₂ N ₂ S ₄ Zn	Molecular Weight: 分子量	305.4
Synonym 同类名称	PZ; Aceto ZDMC; Robac Z.M.; Vulkacit L		

Product Information: 产品资料

***Specification 规格

Appearance (visual inspection): 外观(目测)	White powder 白色粉末	Initial M.P. °C Min: 初熔点 °C 最小值	240.0
Loss on drying % ≤: 加热减量 % ≤	0.50	Zinc content % 锌含量 %	20.0-23.0
Residues(150µm) % ≤: 筛余物 (150µm) % ≤	0.10	Density at 20°C (g/cm ³) 20°C下的密度(g/cm ³)	1.66
Assay content % ≥ 纯度 % ≥	96		

***Typical Properties 主要特性

White powder, 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.	白色粉末, 无味。易溶于热氯仿和苯, 不溶于丙酮, 四氯化碳, 醇和水, 微溶于汽油, 苯, 甲苯和热醇。
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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 (nitrogen oxides)	在通用聚合物 (NR, SBR, IIR, EPDM) 中, ZDMC 用作的噻唑和次磺酰胺固化体系的次级超促进剂。也可以在一些连续硫化应用中用作主促进剂。与 DGP 或秋兰姆相比, ZDMC 硫化速度较快, 硫化模量较高, 焦烧时间较短。ZDMC 广泛用于天然胶和合成乳胶中。应注意的是, ZDMC 与二甲胺反应会生成一种分解产物 N-亚硝基二甲胺, 该产物含有亚硝基物质 (氮氧化物)
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***Handling and Storage recommendations 推荐操作存储条件

Store ZDMC 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.	应存放在阴凉, 干燥, 通风良好的区域, 避免将包装好的产品暴露在阳光直射下。通常保质期为 12 个月, 而推荐使用日期为 6 个月。
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***Package 包装

Bag : 25kg/bag 包装: 25kg/包	Pallet(1.1*1.1*0.1): 700kg/P 托盘(1.1*1.1*0.1) : 700kg/P
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