

SMARTACTIV™-1

高分散活性剂

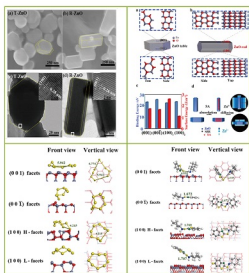
☆ 产品优势

1. 超分散微纳米体系，氧化锌颗粒呈单分散状态，无软/硬团聚现象
2. 对纳米颗粒表面进行极性转化处理，与胶料相容性好，加工性能优良
3. 产品制备过程中使晶格按设计的顺序排列，提高有效晶面的接触面积，单位空间内反应活性更高

SA-1 产品规格

检测项目	数据	检测方法
外观	白色或浅白色	QB/BH-JY-102
105°减重%<	0.6	
灼烧减重%	27.0±2.0	
ZnO	40.0±3.0	
CaCO ₃	57.0±3.0	

注：元素组成根据XRF检测方法计算得出



不同晶面在橡胶硫化过程中的作用机理

应用方法:

应用领域：天然橡胶、丁苯橡胶、丁基橡胶、顺丁橡胶、三元乙丙等非极性橡胶与弹性体体系

应用方法：替代间接法氧化锌、活性氧化锌、纳米氧化锌等，降低配方体系的锌含量

包装及储存:

20千克或25千克

密封储存在阴凉、干燥、通风良好的地方，避免阳光直射



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HIGHLY DISPERSIBLE ACTIVE AGENT

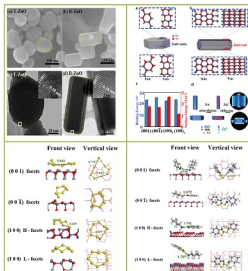
☆ Product Advantages

1. Ultra-dispersed micro-nano system, the zinc oxide particles are in a monodispersed state, and there is no soft/hard agglomeration phenomenon.
2. Conducting polar passivation treatment on the surface of nanoparticles, which has good compatibility with rubber and excellent processing performance.
3. During the product preparation process, the crystal lattices are arranged in the order designed to increase the contact area of the effective crystal planes, and the reaction activity in the unit space is higher.

SA-1 PRODUCT SPECIFICATIONS

TEST ITEMS	DATA	DETECTION METHOD
EXTERIOR	White or light white	QB/BH-JY-102
105°WEIGHT LOSS%<	0.6	
BURNING WEIGHT LOSS%	27.0±2.0	
ZnO	40.0±3.0	
CaCO ₃	57.0±3.0	

Note: The element composition is calculated according to the XRF detection method



The action mechanism of different crystal planes in the rubber vulcanization process

Application :

AREAS: Natural rubber, styrene butadiene rubber, butyl rubber, butadiene rubber, EPDM and other non-polar rubber and elastomer systems

METHOD: Instead of indirect zinc oxide, active zinc oxide, nano-zinc oxide, etc., reduce the zinc content of the formula system

Packing & storage:

20 KG OR 25 KG

Sealed and stored in a cool, dry, well-ventilated place, away from direct sunlight



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