KAUTSCHUK-GROUP

IsoQure® ZnO Active 50

Technical Data Sheet

IsoQure® ZnO Active 50

Chemical name: Zinc oxide

CAS Number: 1314-13-2

EINECS Number: 215-222-5

IsoQure® ZnO Active 50 is a highly active nano-scale zinc oxide which excellently disperses in rubber compounds and in latex formulations.

Material Definition

Appearance: White to slightly yellowish powder

ZnO content*: ≥ 93 %

Ignition loss*: ≤ 6% (800°C. 4h)

Other content: Zinc Carbonate

Surface Area: Approx. 40 m^2/g (BET analyzer)

Specific Gravity: 5.20 g/cm3 (internal method, Gas Pycnometer)

pH*: 8.0 ± 1.0

Pb content*: ≤ 0.001 %

Cu content*: ≤ 0.0005 %

Mn content*: ≤ 0.001 %

Cd content*: ≤ 0.0005 %

Iron (Fe2+)*: ≤ 0.005 %

(* in accordance with ISO 9298)

Application

IsoQure® ZnO Active 50 is a nano-scale active zinc oxide providing excellent dispersion in rubber compounds and in latex. In latex applications, the necessity for ball-milling is

significantly reduced and in many cases eliminated. Due to its ultra-fine particle size, the level of ZnO in a rubber compound can be reduced by up to 50% without any sacrifice in vulcanisate properties.

IsoQure® ZnO Active 50 can be used for food contact rubber parts in accordance to FDA 177.2600; the heavy metal content is as low or lower than pharmaceutical grade zinc oxide.

Handling, Storage and Packaging

The processing and use of IsoQure® ZnO Active 50 requires adequate technical and professional knowledge. Please consult safety data sheet and observe local safety regulations. The legal requirements prevailing in your country, especially in the avoidance of accidents, working hygiene and patent rights must be observed.

IsoQure® ZnO Active 50 has to be stored in tightly sealed original containers in a cool and dry place. Properly stored it is stable for minimum two years.

Standard pack size of IsoQure® ZnO Active 50 is 25 kg in a woven PP bag with PE inner liner plus PE inner bag.

Regulatory Information

EU REACH registered: Yes

TSCA: Listed

Availability

- Americas [United States, Canada, South America]
- APAC [Asia-Pacific]
- ANZ [Australia, New Zealand]
- EU [European Union]
- PRC [People's Republic of China]
- UK [United Kingdom]

Disclaimer / Conditions

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Stated storage and shelf life times are minimum guaranteed values for a period starting on the day of shipment. After this period has expired, the product requires additional quality control testing but may very well still be within specification. For more information, refer to our Shelf Life Policy.

For updates on product information, please check this web page regularly:
https://kautschuk.com/products/specialty/isoqure-zno-active-50