

ZEOPOL® 8755LS

Precipitated Silicon Dioxide

Characteristic physico-chemical data*

Properties and test methods	Unit	Value
Loss on drying	%	6
pH value, 5 % in water	-	6,5
Bulk density	kg/m ³	240
BET surface area	m ² /g	160
ISO CTAB surface area	m ² /g	160
Granule distribution	% retained on 50 mesh	90
Granule distribution	% finer than 200 mesh	2

*) The given data are typical values. Specifications on request.

Certifications and Classifications

ZEOPOL® 8755LS

CAS-No.	112926-00-8 resp. 7631-86-9
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- Consistant quality excellence achieved through effective process control, an ISO:9001 registered quality management system and implemented GMP's

The highly dispersible silica (HDS) products provide solutions to improve the performance and fuel efficiency of OEM and replacement tires. ZEOPOL® 8755LS Silicon Dioxide allows for reduced CO₂ emissions by providing better fuel efficiency through reduced tire rolling resistance. In addition, ZEOPOL® 8755LS Silicon Dioxide allows the compounder to improve e.g. wet traction and braking, wear and rolling resistance properties in passenger green tires. The ZEOPOL® Silicon Dioxide products are fproduced for low development during usage and easy mixing to provide the rubber compounder with the optimal application solution.

Properties and applications

- Used when superior reinforcement is desired
- Improved fuel efficiency due to reduced tire rolling resistance
- Improved tire performance such as wet traction and braking, wear
- Lower surface area for reduced compound viscosity and improved processability at equal mixing energy compared with conventional silica
- Superior tear, fatigue and abrasion resistance vs. conventional silica
- Performs efficiently with coupling agents
- Significantly reduced tan-delta and heat build-up vs. carbon black under dynamic conditions

Safety and Handling

Information concerning the safety of this product is listed in the corresponding Safety Data Sheet. We recommend to read carefully the Safety Data Sheet prior to the use of our product.

Packaging and storage

For details regarding our packaging options for this product, please contact your local sales representative. Our silica products are inert and extremely stable chemically. However, due to their high specific surface area, they can absorb moisture and volatile organic compounds from the surrounding atmosphere. Therefore, we recommend storing the products in sealed containers in a dry, cool place, and removed from volatile organic substances. Even if a product is stored under these conditions, after a longer period it can still pick up ambient moisture over time, which could lead to its exceeding the specified moisture content.

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