

# PT SIDDHARTA MANDIRI INDONESIA

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## Silica Grade ZC-185

**Chemical Name:** SiO<sub>2</sub>.nH<sub>2</sub>O

**CAS NO.:** 7631-86-9

### Physical Properties:

White color, it can be dissolved by NaOH, HF, other kinds of acid, water and solvents can not dissolve the product.

### Specification:

Color	White
Loss at 105 °C 1.5h %	4.0-8.0
Igniting Loss 1000 °C % Max..	7.0
DBP absorption Value cm <sup>3</sup> /g	2.00-3.50
45µm residue on sieve % Max	0.5
PH Value(10% aqueous suspension)	5.0-8.0
SiO <sub>2</sub> (On dried sample) % Min	90
BET specific surface area M <sup>2</sup> /g	175-195
Total Cu mg/kg Max.	30
Total Mn mg/kg Max.	50
Total Fe mg/kg Max.	1000

### Application:

Precipitated Silica ZC185 are a versatile inorganic chemical which are used for reinforcement of rubbers and plastics, coating and paints, printing inks and cosmetics, anti-blocking of plastic foils, free running and free flow of sticky solid and liquid substances, carrier for pesticides, insecticides, high temperature insulation, stabilizing of beer and silicon rubber.

ZC185 possesses a high reinforcing potential and imparts to rubber compounds particularly high Shore hardness, tensile strength, tear resistance and abrasion resistance. In order to achieve optimum rubber-technical data the addition of activators like glycols, amines or other alkaline accelerators is necessary

### Package and storage:

1. 25 Kg EVA bag
2. Stored in closed and dry premises protected against exposure to volatile substances
3. Storage life: one year in normal storing conditions.