

eco-friendly

EKASIL U Series

from rice husk silica

EKASIL

Rice Husk Silica

A sustainable and eco-friendly silicon dioxide product obtained from rice husk through specially designed technology that enables high-purity production with a silica content of up to 99.99%. Unlike typical silica sourced from sand, EKASIL rice husk silica is an environmentally friendly product. It is obtained via waste utilization in a nonpolluting, low-energy-consuming manufacturing process. Thanks to controlled production, the products can be customized with various physico-characteristic properties to match customers' specific requests, if any. EKASIL rice husk silica is a green and efficient utilization of waste with outstanding purity, making it an excellent choice for environmentally conscious individuals and companies.



EKASIL U80

Physico-Chemical Data

Purity (SiO ₂), %	≥ 99.8
Specific surface area (BET analysis), m ² /g	80
pH (5g/100ml H ₂ O)	6.5
Loss on drying, %	6.0
Tamped density, g/l	Apx. 60

Applications

- Tire
- Mechanical rubber goods

Benefits

- Improves dispersion properties
- Enhances reinforcement
- Increases excellent hysteresis



EKASIL U110

Physico-Chemical Data

Purity (SiO ₂), %	≥ 99.8
Specific surface area (BET analysis), m ² /g	110
pH (5g/100ml H ₂ O)	6.5
Loss on drying, %	5.5
Tamped density, g/l	Apx. 60

Applications

- Tire
- Mechanical rubber goods

Benefits

- Enhances reinforcement
- Increases excellent hysteresis
- Optimizes wet and winter properties with high filler loading



EKASIL U160

Physico-Chemical Data

Purity (SiO ₂), %	≥ 99.8
Specific surface area (BET analysis), m ² /g	160
pH (5g/100ml H ₂ O)	6.5
Loss on drying, %	5.5
Tamped density, g/l	Apx. 60

Applications

- Tire
- Mechanical rubber goods

Benefits

- Enhances reinforcement
- Improves dispersion properties
- Optimizes abrasion resistance



EKASIL

www.ekasil.com

www.ekasil.com (+66) 63-446-1740 satawat@ekasil.com