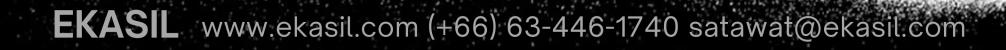
eco-friendly

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 (SiO₂), % | ≥ 99.8 |
|--|---------|
| Specific surface area (BET analysis), m²/g | 80 |
| pH (5g/100ml H₂O) | 6.5 |
| Loss on drying, % | 6.0 |
| Tamped density, g/l | Арх. 60 |

Applications

- Tire
- Mechanical rubber goods

Benefits

- Improves dispersion properties
- Enhances reinforcement
- Increases excellent hysteresis

EKASIL U110

Physico-Chemical Data

| Purity (SiO₂), % | ≥ 99.8 |
|--|---------|
| Specific surface area (BET analysis), m²/g | 110 |
| pH (5g/100ml H₂O) | 6.5 |
| Loss on drying, % | 5.5 |
| Tamped density, g/l | Арх. 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 (SiO₂), % | ≥ 99.8 |
|--|---------|
| Specific surface area (BET analysis), m²/g | 160 |
| pH (5g/100ml H₂O) | 6.5 |
| Loss on drying, % | 5.5 |
| Tamped density, g/l | Арх. 60 |

Applications

- Tire
- Mechanical rubber goods

Benefits

- Enhances reinforcement
- Improves dispersion properties
- Optimizes abrasion resistance

