

# Technical Data Sheet EKI-300

## Chemical Composition

(test method XRF)

| value          | SIO2         | TIO2        | AL2O3        | FE2O3       | MNO        | MGO         | CAO        | NA2O        |
|----------------|--------------|-------------|--------------|-------------|------------|-------------|------------|-------------|
| <b>average</b> | <b>56,00</b> | <b>1,00</b> | <b>35,00</b> | <b>2,00</b> | <b>0,1</b> | <b>0,40</b> | <b>1,2</b> | <b>0,40</b> |
| maximum        | 58,0         | 1,5         | 38,0         | 3,0         | 0,1        | 0,5         | 1,5        | 0,5         |

| value          | K2O        | P2O5        | BAO        | SO3         | V2O5        | CR2O3       | NIO         | LOI         |
|----------------|------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|
| <b>average</b> | <b>0,6</b> | <b>0,45</b> | <b>0,2</b> | <b>0,10</b> | <b>0,03</b> | <b>0,04</b> | <b>0,02</b> | <b>1,10</b> |
| maximum        | 1,0        | 0,5         | 0,3        | 0,2         | 0,05        | 0,05        | 0,02        | 1,5         |

| Control parameters                  | Measurement unit  | Usual range   |
|-------------------------------------|-------------------|---------------|
| Bulk density                        | g/cm <sup>3</sup> | 0,350 – 0,420 |
| Specific gravity / Particle density | g/cm <sup>3</sup> | 0,80 – 0,82   |
| Floating rate                       | %                 | > 95          |
| Sinkers                             | %                 | < 5           |
| Melting point                       | °C                | 1320 – 1450   |
| Moisture content                    | %                 | < 0,5         |
| Colour                              |                   | light grey    |
| Thermal Conductivity                | W/mK              | 0,1 – 0,2     |
| Compres. Strength                   | psi               | 2500 – 5000   |
| PH in water                         |                   | 7-9           |

## Granulometry

| granulometry | average, % | maximum, up to % |
|--------------|------------|------------------|
| +500 μ       | 0,2        | 0,5              |
| +300 μ       | 2,5        | 3,0              |
| +150 μ       | 50,0       | 30,0             |
| +100 μ       | 35,0       | 40,0             |
| -100 μ       | 12,5       | 15,0             |

**Packing:** Big Bags of 500 kg with plastic liner, additional layer of packaging with UV protection (as required), 2 big bag stacks per pallet