

# Kromasil® 60 Å

## SIL, CN, Diol

High performance spherical silica for analytical to process scale liquid chromatography. RP Kromasil 60 Å is manufactured using monofunctional silanes giving high reproducibility and chemical stability.

### PRODUCT CHARACTERISTICS

#### Particle sizes:

SIL: 5 µm, 7 µm, 10 µm, 13 µm and 16 µm  
CN, Diol: 5 µm, 10 µm and 16 µm

#### Particle size distribution:

(Coulter Multisizer)  
dp<sub>90</sub>/dp<sub>10</sub>: < 1.70 (10, 13, 16 µm)  
< 1.60 (7 µm)  
< 1.55 (5 µm)

#### Spec surface area:

540 m<sup>2</sup>/g (multi-point BET)

#### Pore volume:

1.2 ml/g (N<sub>2</sub>-adsorption)

#### Pore size:

80 Å (N<sub>2</sub>-adsorption)

#### Pore size distribution:

80% ± 15 Å (N<sub>2</sub>-adsorption)

#### Chemical purity:

Typical figures (AAS or ICP):

Na: < 10 ppm

Al: < 5 ppm

Fe: < 5 ppm

#### Coverage:

(elemental analysis)

CN: 12% C, 2.3% N, 3.8 µmol/m<sup>2</sup>

Diol: 10% C, 3.5 µmol/m<sup>2</sup>

#### Mechanical stability:

Allows repeated packing at up to 700 bar (10,000 psi)

#### Packed density:

SIL: 0.45 g/ml

CN: 0.48 g/ml

Diol: 0.53 g/ml

### PRODUCT CODES

For ordering please use our code system:

#### Kromasil 60-X-Y

- 60 indicates 60 Å pore size
  - X indicates particle size: 5 to 16 µm
  - Y indicates phase: SIL, CN or Diol
- (for example Kromasil 60-5-CN)

### DELIVERY

Kromasil is delivered in polyethylene bottles or in polyethylene bags packed in fibre drums.

Kromasil, patented by Eka Chemicals AB, is manufactured in multi-kilogram batches with high reproducibility.

The development, production and marketing of Kromasil are ISO 9001 certified.

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