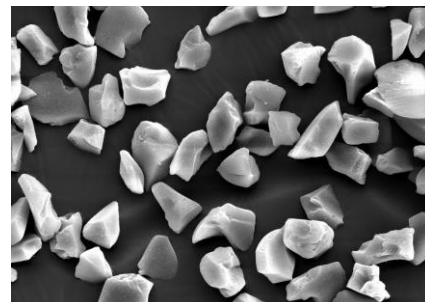


ZEOprep® 90 NH₂ / 40-63 µm Technical Data Sheet

ZEOprep® is a proven, highly successful packing material providing fast, effective and reproducible separations. The irregular shaped silica gel is used in Gravity- Flash- and Medium Pressure Chromatography.

ZEOprep® silica grades are available in different pore- and particle size ranges as normal phase bare silica and in various bonding chemistries (C4, C8, C18, NH₂, DIOL, CN).

ZEOprep® silicas are available in multi tons quantities with a wide variety of packing sizes to meet individual applications and economic requirements.



Typical Properties

Pos.	Method	Parameter/con. of meas.	Unit	Specification
010.01	SPZ-016	Under size, air jet sieve Alpine 40 µm	% w/w	≤10.0
011.01	SPZ-016	Over size, air jet sieve Alpine 63 µm	% w/w	≤10.0
020.01	SPZ-501	w(C), carbon content	% w/w	≥4.5
020.02	SPZ-501	w(N), nitrogen content	% w/w	≥1.5
040.01	SPZ-012	Pore volume, N ₂ isotherm	mL/g	0.85-1.0
040.02	SPZ-012	Surface specific, N ₂ isotherm, sBET	m ² /g	376-424
040.03	SPZ-012	Pore size calculated, N ₂ isotherm	nm	8.0-10.7

Additional Information

Storage	ZEOprep® silicas can be stored in original, sealed packaging. Seal tightly after each use.
Packaging Size	1kg PE bottle 25 kg Plastic drum
Safety	In accordance with Regulation (EC) No. 1272/2008 (GHS/CLP) and Directive 1999/45/EC, the product does not need to be classified nor labelled.
CAS-Nr.	7631-86-9
EINECS-Nr.	231-545-4
REACH-Nr.	01-2119379499-16-0036
Customs Tariff:	2811.22