

Cameron Carbon

INCORPORATED

Activated Carbon
& Related Technology

P.O. Box 995 Havre de Grace MD 21078 USA
Toll Free: (800) 394-6844
Tel: +1 (410) 942-0240 • Fax: +1 (410) 942-0242
www.cameroncarbon.com • sales@cameroncarbon.com

Z-100

NATURAL ZEOLITE FILTRATION MEDIA

Cameron Z-100 is a buff or off-white granular form of an alumino-silicate based natural mineral (clinoptilite zeolite). Natural zeolites, such as Z-100, have desirable selective ion exchange and adsorption properties and can be used for the removal of the following:

radionuclides from radioactive wastewater
ammonia from wastewater
toxic & heavy metals from industrial process water and wastewater
(e.g. metal finishing & secondary metals operations).

Z-100 can be effective in the adsorption of the following metals from aqueous solutions:

aluminum	antimony	arsenic	barium	cadmium
calcium	chromium	cobalt	copper	iron
lead	magnesium	manganese	mercury	nickel

Note—The selectivity of zeolite for metals depends on numerous factors including the hydration, channel dimensions, and exchangeable cation composition of the zeolite and the pH, temperature, composition and concentration of the solutions to be treated. A bench “jar” test or pilot study is highly recommended.

Cation exchange capacity	2.20 meq/g
Bulk density	55 lb/ft ³
Hardness	5.1 mohs
Pore size	4.0A
Thermal stability	1,202 F
Specific surface area	40 m ² /g
Crushing strength	2,500 lb/in ²
Mesh Size	4x6, 6x8 (custom sizes available)

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