

CARBOBEAD

High-performance ceramic media for filtration

Features

- High-quality ceramic media engineered for superior strength and durability
- Exceptional roundness and sphericity
- Chemically inert, non-hazardous and produces no respirable silica dust
- Products meet AWWA B100 specifications

Benefits

- Resists particle chipping, flaking or crumbling that can clog filters
- Packs consistently for maximum filtering without clogging or channeling, allowing for easy backwashing
- Free of impurities that can cause odors, stains or blockage
- Cost-effective alternative to sand and competing ceramic media



Engineered to outperform sand in a wide variety of filtration applications

The CARBOBEAD family of high-performance ceramic media technologies is engineered to provide a unique combination of consistent physical properties. These characteristics provide economic and performance advantages in a wide variety of applications compared to sand and other competing synthetic media types.

Physical properties

Typical sieve analysis (weight % retained)



CARBOBEAD ULT*

Ultra-Low



CARBOBEAD LT*

Low

Density		Ultra-Low		Low							
Product size	Mesh Millimeters	30/50 0.300-0.600	40/70 0.212-0.425	5/8 2.36-4.00	8/14 1.40-2.36	12/18 1.00-1.70	16/20 0.850-1.180	20/40 0.425-0.850	30/50 0.300-0.600	40/70 0.212-0.425	
Sieve size (mesh)	Microns										
-4+6	-4750+3350										
-6+8	-3350+2360										
-8+12	-2360+1700										
-12+16	-1700+1180										
-16+20	-1180+850										
-20+30	-850+600										
-30+40	-600+425	64									
-40+50	-425+300	34	39								
-50+70	-300+212	2	56								
-70+100	-212+149	5									
Median particle diameter (D50, µm)		440	285	2925	1897	1374	1001	730	522	334	
Effective size (D10, µm)		353	235	2495	1742	1211	916	648	440	285	
Uniformity coefficient (D60/D10)		1.31	1.40	1.20	1.13	1.14	1.18	1.19	1.20	1.23	

* CARBOBEAD ULT and CARBOBEAD LT are NSF/ANSI 61 certified

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Physical properties, *continued*

Typical additional properties

	CARBOBEAD ULT	CARBOBEAD LT
Density	Ultra-Low	Low
Roundness	0.9	0.9
Sphericity	0.9	0.9
Bulk density (lb/ft ³)	72	97
(g/cm ³)	1.15	1.57
Absolute density (g/cm ³)	2.78	2.71
Absolute volume (gal/lb)	0.043	0.044

All data represents typical values.

Chemical composition: Aluminosilicate ceramic

Talk to CARBO to find out how we can help you enhance your production.

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carboindustrial.com

CARBO

 Proudly Made in the USA