

# CARBOBEAD LT

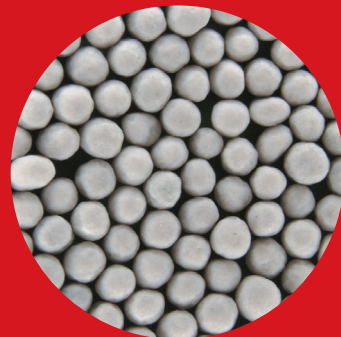
High-performance ceramic media

## Features and benefits

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

## Applications

- Abrasives
- Catalyst supports
- Concrete and cement
- Heat transfer
- Mine and tunnel roof support
- Turf infill
- Water filtration and absorption
- Wear resistance



## Engineered to outperform sand in a wide variety of industrial applications

CARBOBEAD® LT high-performance ceramic media is engineered to provide a unique combination of consistent thermal, physical and chemical 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)

Product size	Mesh Millimeters	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
<b>Sieve size (mesh)</b>	<b>Microns</b>							
-5+6	-4000+3350	21						
-6+8	-3350+2360	79	1					
-8+12	-2360+1700		89	4				
-12+16	-1700+1180		10	91	5			
-16+20	-1180+850			5	93	7		
-20+30	-850+600				2	90	4	
-30+40	-600+425					3	90	5
-40+50	-425+300						6	72
-50+70	-300+212							22
-70+100	-212+150							1
-100+140	-150+106							
-140+200	-106+75							
Median particle diameter (D50, μm)		3100	1897	1374	1001	730	522	332
Effective size (D10, μm)		2495	1742	1211	916	648	440	285
Uniformity coefficient (D60/D10)		1.20	1.13	1.14	1.18	1.19	1.20	1.23

\* CARBOBEAD LT is NSF/ANSI 61 certified

### Typical additional properties

Roundness	0.9
Sphericity	0.9
Bulk density (lb/ft <sup>3</sup> ) (g/cm <sup>3</sup> )	97 1.57
Apparent density (g/cm <sup>3</sup> )	2.71
Absolute volume (gal/lb)	0.044
Hardness (Mohs)	7+
Vickers hardness (HV)	800

All data represents typical values.

**Chemical composition:** Aluminosilicate ceramic

**Sizing requirements:** A minimum of 90% of the tested sample should fall between the designated sieve sizes. These specifications meet the recommended practices as detailed in API RP 19C.

Talk to CARBO to find out how we can improve your end-product quality and reduce operating costs.

Learn more at +1 800 551 3247 | [carboindustrial.com](http://carboindustrial.com)