

High-efficiency filter sand

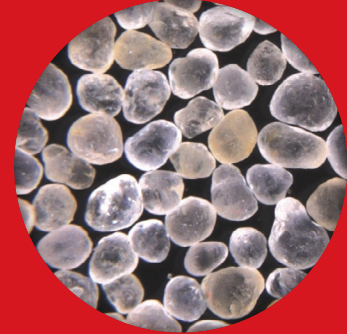
Premium sand for industrial and municipal water filtration

Features

- Pure Northern White sand
- The highest strength sand available
- Superior quartz structure with the most uniform shape and size
- Meets ANSI/AWWA B100-16 standards
- All sand lab tested to meet strict CARBO standards for quality and purity
- Available in grain size distributions of 0.6 - 0.45 mm

Benefits

- Colorless, odorless, ecologically safe
- Resists particle chipping, flaking or crumbling that can clog filter
- Packs uniformly for maximum filtering effectiveness
- No impurities that could cause odors, stains or blockage
- Ideal sizes for any filtering application



Purer sand means more effective filtering

CARBO high-efficiency filter sand is pure Northern White monocrystalline sand, the highest quality industrial sand available. Its superior quartz structure, with the most uniform size and shape, produces a filter pack with constant density and consistent conductivity throughout. That means thorough filtering action with a steady flow of pure, chemical-free, odorless water. Routine backwashing is easier, faster and uses less water.

Physical properties

Typical sieve analysis (weight % retained)

Product size	Millimeters	0.62	0.58	0.45
Sieve size (mesh)	Microns			
-16+20 mesh	-1180+850	24	5	5
-20+30 mesh	-850+600	70	80	39
-30+40 mesh	-600+425	6	15	52
-40+50 mesh	-425+300			4
-50+70 mesh	-300+212			
-70+100 mesh	-212+150			
-100+140 mesh	-150+106			
-140+200 mesh	-106+75			
Median diameter – D50 (µm)		751	691	581
Effective size – D10 (µm)		622	581	453
Uniformity coefficient – D60/D10		1.26	1.24	1.35
Mohs hardness		7	7	7
Bulk density (g/cm ³) (lb/ft ³)		1.56 97	1.54 96	1.53 95

Other sizes available on request.



Certified to
NSF / ANSI 61



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Typical additional properties

Roundness	0.8
Sphericity	0.8
Apparent density (g/cm ³)	2.65
Absolute volume (gal/lb)	0.045
AWWA B-100 HCl acid solubility	<0.1%

Chemical composition (weight %)

SiO ₂	99.64
CaO	0.12
Al ₂ O ₃	0.09
Fe ₂ O ₃	0.06
K ₂ O	0.02
MgO	0.01
Na ₂ O	0.01

WARNING: MAY CAUSE CANCER. PROLONGED INHALATION MAY CAUSE LUNG DAMAGE KNOWN AS SILICOSIS. Contains quartz and respirable crystalline silica. Dust may cause eye, skin and/or respiratory irritation. Avoid contact with skin, eyes and clothing. Avoid breathing dust. Wear protective equipment when handling. Use with adequate ventilation.

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

carboceramics.com Customer service: +1 800 551 3247



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