

## Introduction

QK100 has particle size range between 45 to 100microns. The tiny little particles offer a variety of functionalities in cement formulations such as deep sea offshore drilling.



## Typical properties

Product	Qk100
true density	0.75 g/cc
density	0.38 g/cc
crush strength	3000 psi
D10	45 microns
D50	56 microns
D90	87 microns
top size	100 microns
floating ratio	95%
thermal conductivity	0.08 W/mK
oil absorption	0.5g/cc
pH Value	6-8
melting point	1600 degree C
color	70 WhH *
Hardness	6 Moh's scale
Looks like	free flowing powder

\* WhH = Hunter Lab index

## Chemical Composition

SiO2	54%
Al2O3	41%
Fe2O3	1.8%
CaO	1.1%
TiO2	0.23%
MgO	0.8%
K2O	1.2%
Na2O	0.5%
Loss on Ignition	0.5%

## Advantages

- ✍ High filler loading;
- ✍ Excellent water resistance;
- ✍ Improved flowability;
- ✍ Low viscosity;
- ✍ Reduced shrinkage and warpage;
- ✍ Highly adaptable to a wide range of product processes

## Package and Storage

Big bag: polypropylene container bag;  
 Typical package size: 1150 x 1150 x 1050mm (height)  
 Typical net weight: 500kg

Paper Bag: 3ply water soluble kraft paper bag;  
 Typical package size: 750 x 400 x 180mm (height)  
 Typical net weight: 20kg

Both types are palletized and wrapped.

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