



Dyckerhoff HT Blend 40

Blend of API Class "G" OIL WELL CEMENT with 40% BWOC Silica Flour

All shipments from 01.01.2021 to 01.04.2021

Physical Performance

API Class G - black label	71	wt-%
Crystalline Silica (XRD)	29	wt-%
= Crystalline Silica	41	BWOC-%
Specific Surface Area	3200	m ² /kg

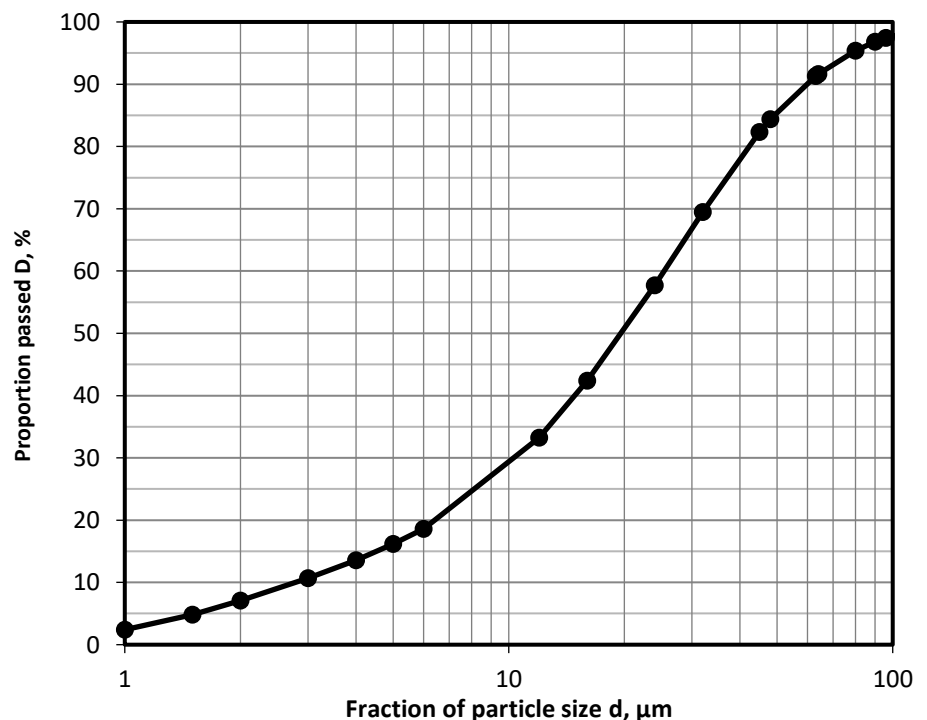
Chemical Composition of Blend (XRF)

L.O.I	1,2	wt-%
SiO ₂	43,7	wt-%
CaO	44,1	wt-%
Al ₂ O ₃	3,2	wt-%
Fe ₂ O ₃	4,2	wt-%

Grain size distribution

Measuring: Optical counting by diffraction of HE/NE laser (623,8 nm)
 Test device: Sympatec Helos/Rodos System
 Sample preparation: Rodos dry dispersing module (with 20g dry powder)
 Fraction of particle size d / Proportion passed D / Proportion retained R

d µm	D %	R %
1,0	2,4	97,6
1,5	4,8	95,2
2,0	7,1	92,9
3,0	10,7	89,3
4,0	13,6	86,4
5,0	16,2	83,8
6,0	18,6	81,4
12,0	33,2	66,8
16,0	42,4	57,6
24,0	57,7	42,3
32,0	69,5	30,5
45,0	82,3	17,7
48,0	84,4	15,6
63,0	91,3	8,7
64,0	91,6	8,4
80,0	95,4	4,6
90,0	96,8	3,2
96,0	97,4	2,6
128,0	99,4	0,6



Specific density

γ pycnometer **3,02** g/cm³

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