Technical Data

GREEN LIGHTNING®
Olivine

Description

Green Lightning® Olivine is a magnesium iron silicate. It is the industrial mineral with the highest magnesium content. Green Lightning® is produced from “Dunite rock”, has a sandy structure and does not contain free silica.

Applications

Abrasive blast cleaning, foundry sand, refractory, abrasive in water jet cutting industry, welding electrodes, facade cleaning.

Properties

Shape	:	sub-angular to angular
Colour	:	pale green
Hardness	:	6,5 - 7 Mohs
Specific density	:	3,3 kg/dm^3
Bulk density	:	1,7 kg/dm^3
Conductivity	:	less than 15 mS/m
Water soluble chlorides	:	less than 0.001% (m/m)

Chemical analysis
(indication only)

MgO	:	48,80	-	49,70	%
SiO_2	:	41,50	-	41,90	% in bound form, <1% free silica
Fe_2O_3	:	7,30	-	7,60	%
Al_2O_3	:	0,40	-	0,50	%
CaO	:	0,05	-	0,10	%
Cr_2O_3	:	0,31	-	0,66	%
MnO	:	0,05	-	0,10	%
NiO	:	0,31	-	0,32	%
Loss on Ignition (Loi)	:	< 1 %			

Grain sizes

GL 100	0,50	-	2,00	mm
GL 80	0,20	-	1,40	mm
GL 70	0,20	-	1,20	mm
GL 60	0,10	-	0,80	mm
GL 50	0,10	-	0,50	mm
GL 40	0,063	-	0,25	mm
GL 30	0,063	-	0,18	mm

Packing

- In paper bags of 25 kg on shrinkfoiled pallets of 1000 kg.
- In woven polypropylene big bags.

ISO

Quality System Certificate ISO-9001 : 2008, Certificate no. 800115.
Product standards ISO 11126-8 and 11127.

Please contact us for more information:

Worldwide
Tel: +31 (0)78 6546770
sales.eurogrit@sibelco.com

www.sibelco.eu

Sibelco Europe
PO Box 184
NL-3350 AD Papendrecht
The Netherlands

www.eurogrit.com

SIBELCO EUROPE