Product Data Sheet
Luzenac 10M2

Colour after Firing at 1250°C (Minolta CR300, D65/2°)

L* (CIE)	75
a* (CIE)	-1
b* (CIE)	13

Chemical Analysis (by X-ray fluorescence)

SiO_2	46%
MgO	31%
Al_2O_3	10%
Fe_2O_3	1.9%
CaO	1.1%
TiO_2	0.1%
K_2O	0.1%
Na_2O	0.2%
Loss on ignition at 1050°C	9.4%

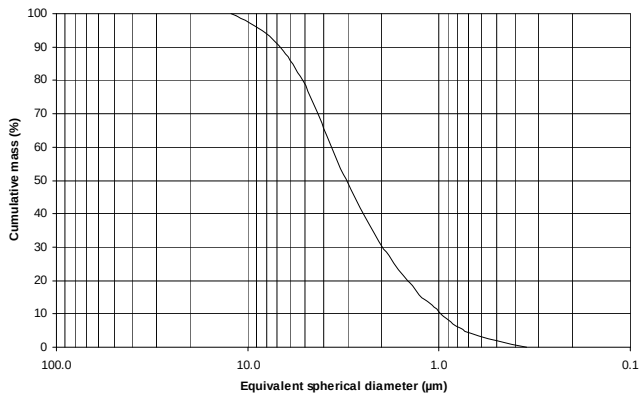
Mineral Analysis (by thermogravimetric analysis)

Talc	46%
Chlorite	52%
Dolomite	1.5%

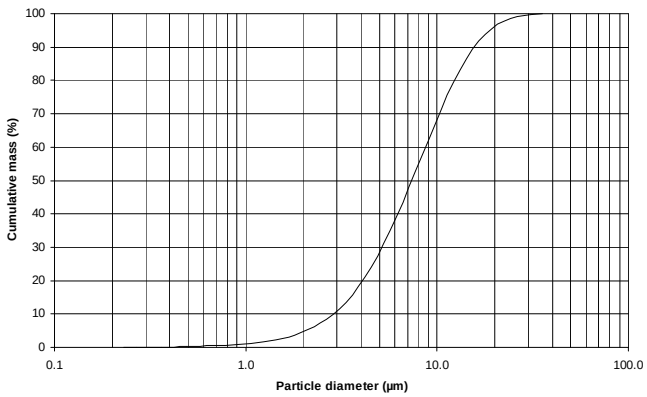
Physical Properties

B.E.T. (ISO 9277)	5 m^2/g
Density (ISO 787/10)	2.78 g/cm^3
Tapped density (ISO 787/11)	0.50 g/cm^3
Loose density (EN 1097/3)	0.25 g/cm^3
Hardness (Mohs' scale)	1

Particle Size Distribution by Sedigraph 5100
Sedimentation analysis, Stokes' Law (ISO 13317-3)
Median Diameter: 3µm



by Laser Mastersizer 2000
Laser diffraction, Mie Theory (ISO 13320-1)
Median Diameter: 7.4µm



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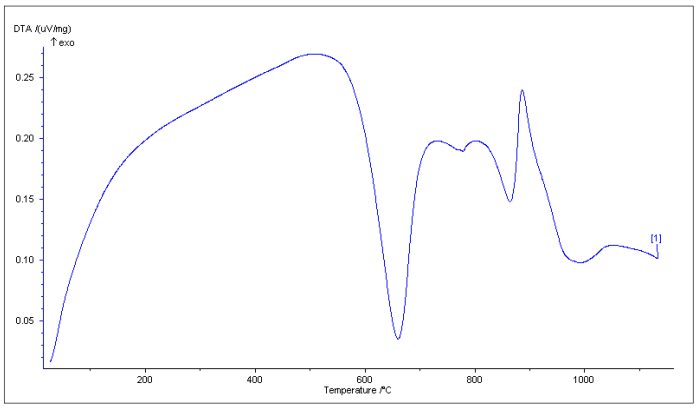
CER/ENG/03/2013

Action of heat on Luzenac 10M2

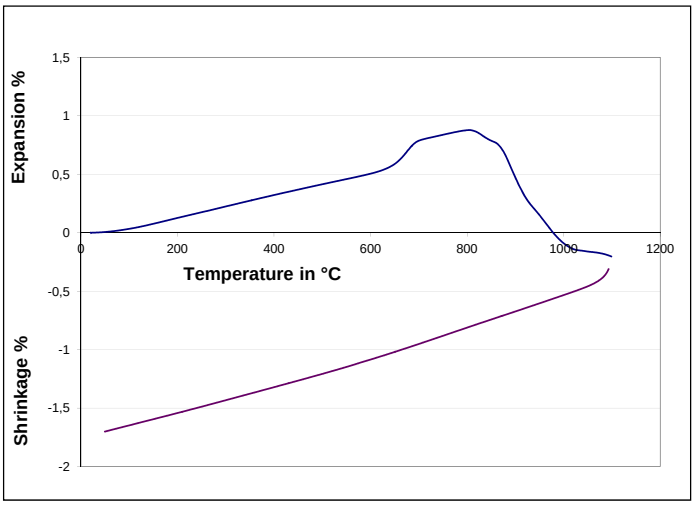
Melting Point

Pyroscopic resistance.....1410°C
(ISO 528)

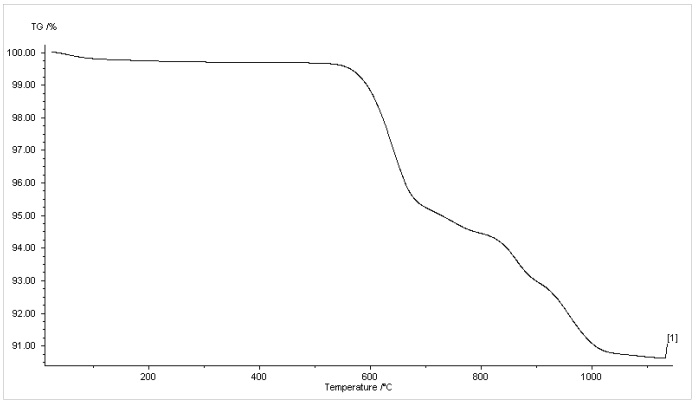
Differential Thermal Analysis (DSC)



Expansion Shrinkage



Thermogravimetric Analysis



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