

Product Data Sheet

Luzenac 1445

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

L* (CIE).....	90
a* (CIE).....	0.2
b* (CIE).....	10

Chemical Analysis (by X-ray fluorescence)

SiO ₂	53%
MgO.....	31%
Al ₂ O ₃	4.2%
Fe ₂ O ₃	0.9%
CaO.....	1.5%
TiO ₂	<0.1%
K ₂ O.....	0.03%
Na ₂ O.....	0.2%
Loss on ignition at 1050°C.....	8.5%

Mineral Analysis (by thermogravimetric analysis)

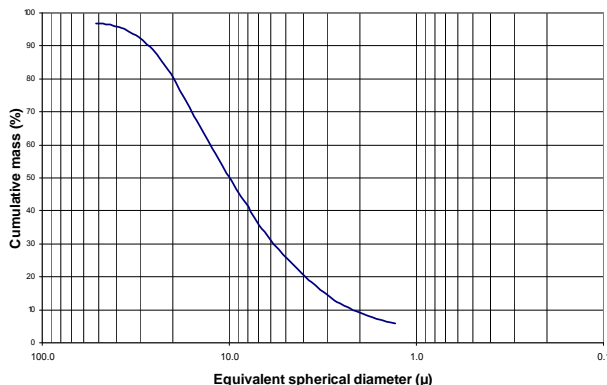
Talc.....	70%
Chlorite.....	25%
Dolomite.....	5%

Physical Properties

B.E.T. (ISO 9277).....	2.6 m ² /g
Density (ISO 787/10).....	2.78 g/cm ³
Tapped density (ISO 787/11).....	0.93 g/cm ³
Hardness (Mohs' scale).....	1
Screen residue (Alpine airjet) ≥40µm.....	1%

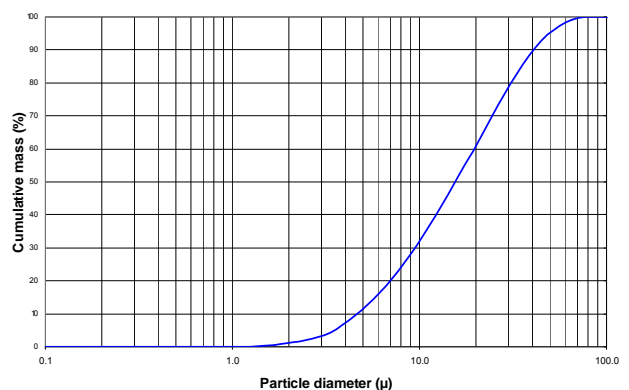
Particle Size Distribution by Sedigraph 5100

Sedimentation analysis, Stokes' Law (ISO 13317-3)
Median Diameter: 10.0µm



by Laser Mastersizer 2000

Laser diffraction, Mie Theory (ISO 13320-1)
Median Diameter: 17µm



Notice: Although the data listed are typical, they are not production specifications. The supplier provides the data in good faith, however it makes no warranty or representation of any kind, express or implied, regarding the information given or product described including any warranty of suitability for a particular purpose.

For more information, please visit www.imerystalc.com

CER/ENG/02/2013

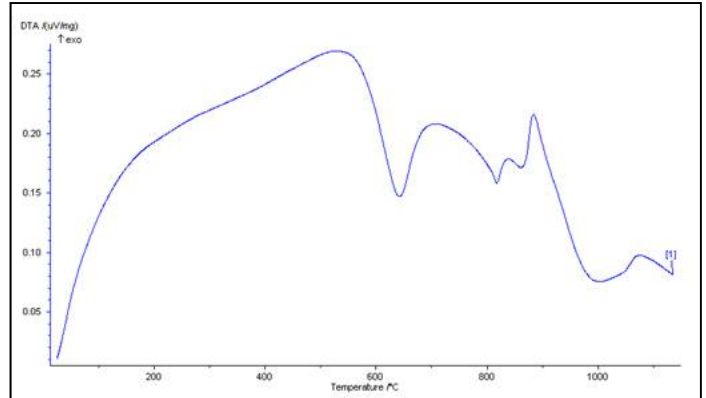


Action of heat on Luzenac 1445

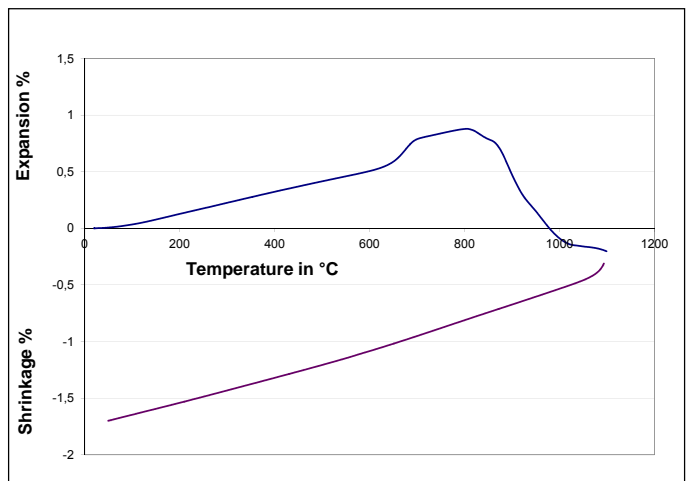
Melting Point

Pyroscopic resistance.....1455°C
(ISO 528)

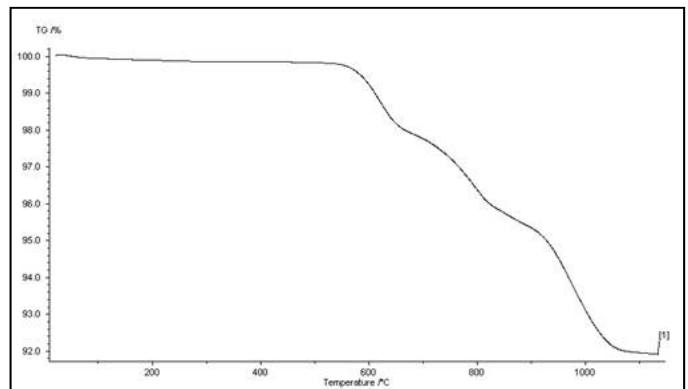
Differential
Thermal Analysis
(DSC)



Expansion Shrinkage



Thermogravimetric
Analysis



Notice: Although the data listed are typical, they are not production specifications. The supplier provides the data in good faith, however it makes no warranty or representation of any kind, express or implied, regarding the information given or product described including any warranty of suitability for a particular purpose.

For more information, please visit www.imerystalc.com

CER/ENG/02/2013

