

TECHNICAL DATA SHEET

CELATOM[®] FW-14

PHYSICAL AND CHEMICAL PROPERTIES

Structure	Flux-Calcined
Color	White
Sieve Analysis (Tyler)	
% + 150 Mesh (> 105 microns)	7.7
% + 325 Mesh (> 44 microns)	--
Median Particle Diameter (microns)	28.0
pH (10% Slurry)	9.5
Free Moisture (Maximum % H ₂ O)	0.5
Density:	(lb/ft ³) (g/l)
Wet Bulk	20 320
Dry Bulk	14 220
Permeability (millidarcy)*	1300
Specific Gravity	2.33
Refractive Index	1.46
Brightness (Y)	84

* Determined using a VEL permeameter

CHEMICAL ANALYSIS

SiO ₂	89.00%
Al ₂ O ₃	4.10%
Fe ₂ O ₃	1.50%
CaO	0.60%
MgO	0.30%
TiO ₂	0.20%
Na ₂ O	4.00%
P ₂ O ₅	0.02%
MnO	<0.01%
K ₂ O	0.20%
Cr ₂ O ₃	<0.01%
Loss on Ignition	0.10%

Updated: 01/2013

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 All information shown is typical – **NOT TO THE USED FOR SPECIFICATIONS.**
 Read appropriate Material Safety Data Sheet before using.
 Contact EP Minerals for product specification approval.