

TECHNICAL DATA SHEET

CELATOM[®] FW-50

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

Origin.....	FRESH WATER DIATOMITE	
Description.....	Flux-Calcined	
Color	White	
Sieve Analysis (Tyler)		
% + 150 Mesh (> 105 microns).....	22.8	
% + 325 Mesh (> 44 microns).....	--	
Median Particle Diameter (microns)	42.0	
pH (10% Slurry)	10.0	
Free Moisture (Maximum % H ₂ O)	0.5	
Density:	(lb./ft ³)	(g/l)
Wet Bulk.....	20	320
Dry Bulk.....	15	240
Permeability (millidarcy)*	3850	
Specific Gravity.....	2.33	

* Determined using a VEL permeameter

TYPICAL CHEMICAL ANALYSIS (TOTAL CHEMISTRY)

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%

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ALL PROPERTIES SHOWN ARE TYPICAL VALUES DETERMINED BY EP MINERALS TEST METHODS – **NOT TO BE USED FOR SPECIFICATIONS.**

Read appropriate Material Safety Data Sheet before using.
Contact EP Minerals for product specification approval.