

## TECHNICAL DATA SHEET

### CELATOM<sup>®</sup> 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 <sub>2</sub> O).....	0.5	
Density:	(lb./ft <sup>3</sup> )	(g/l)
Wet Bulk.....	20	320
Dry Bulk .....	15	240
Permeability (millidarcy)* .....	3780	
Specific Gravity.....	2.33	

\* Determined using a VEL permeameter

#### TYPICAL CHEMICAL ANALYSIS (TOTAL CHEMISTRY)

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

Updated: 01/2022

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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.