



Celatom

Filtration Spectrum Performance Scanner



Eagle-Picher Minerals, Inc.

A Wholly Owned Subsidiary of Eagle-Picher Industries, Inc.

9785 Gateway Drive - Reno, Nevada 89521 / P.O. Box 12130 - Reno, Nevada 89510

Phone (800) 366-7607 or (775) 824-7600 / FAX (775) 824-7694

web: <http://www.minerals.epcorp.com> e-mail: sales@minerals.epcorp.com

Product Category/Nomenclature	Water Permeability		Median Particle Diameter ² - Micron (Typical)	Particle Size Removal - Micron (Approx.)	Color	Bulk Density lbs./ft. ³ (Typical)		Bulk Density g/l (Typical)		General Application
	Min-Max ^{1a}	Darcy (Typical) ^{1b}				Dry Loose	Wet Cake	Dry Loose	Wet Cake	
Filter Natural (Polish)										
FN-1	21-23	0.04	13	<0.1	Off White	12	24	190	380	Polishing beer, fats, gelatin, lacquers, oils, pectins, sugar, wine, filter pads.
FN-2	23-28	0.06	16	0.1	Off White	14	21	220	340	
FN-6	15-20	0.02	12	<0.1	Off White	12	26	190	420	
Filter Calcined (Polish)										
FP-1SL	20-26	0.07	13	0.1	Pink	12	25	190	400	Polishing beer, fats, gelatin, lacquers, oils, pectins, sugar, cider, petro-products, vinegar, alcohol, citric acid, phosphoric acid, lube oil additives, enzymes, liquid sugar.
FP-1W	31-40	0.13	13	0.2	Pink	12	25	190	400	
FP-2	24-31	0.09	13	0.1	Pink	12	25	190	400	
FP-3	40-48	0.20	14	0.3	Pink	12	25	190	400	
FP-4 ³	40-59	0.22	16	0.5	Pink	12	23	190	370	
Filter Flux (Slow)										
FW-6	59-79	0.48	18	0.5	Lt. Pink/White	12	23	190	370	Acids, antibiotics, beer, caustics, chemicals, cider, enamels, gelatin, glue, fruit juices, kelp, lard, oils, petro-products, pharmaceuticals, plastics, shellac, lube oils, solvents, starch, alcohol, pectin, wine, phosphoric acid, vinegar, tallow, plating solutions, liquid sugar, molasses, titanium sulfate, dry cleaning solvents, waxes.
FW-12	85-100	0.80	24	0.7	Lt. Pink/White	13	20	210	320	
FW-14	100-125	1.20	28	0.75	White	14	20	210	320	
Filter Flux (Medium)										
FW-18	125-145	1.50	31	0.8	White	14	20	220	320	Liquid sugar, vinegar, water, waxes, whiskey, acids, citrates, tallow, water chemicals, fruit juices, kelp, hemp oil, fuel oil, oils.
FW-20	130-155	2.10	33	0.9	White	14	20	220	320	
FW-40	143-183	3.20	40	1.0	White	15	20	240	320	
Filter Flux (Fast)										
FW-50	143-183	3.50	42	1.1	White	15	19	240	300	Algins, wort beer, antibiotics, casein, pressed juices, lacquers, polymers, syrups, sorghum, tallow, varnish, water, titanium sulfate, corn gluten, citric juices, chemicals, resins, enzymes, enamels, kelp, plastics, shellacs, corn syrup, phosphoric acid.
FW-60	191-258	5.00	48	1.2	White	15	19	240	300	
FW-80	312-400	10.00	77	1.6	White	16	19	260	300	

1a The flow rate ratio in which distilled water is passed through a 4g sample and compared to an EPMI Standard (FW-14 = 100).

1b A unit of permeability, equivalent to the passage of 1cc of fluid with 1 centipoise viscosity, flowing in 1 sec. under a pressure of 1 atmosphere, through a porous medium 1 sq. centimeter in area and 1 centimeter thick.

2 Percent by weight by forward scattered laser light. Particle size does not necessarily reflect filtration performance.

3 FP-4 is produced with a small amount of flux.