Filtration

Navajo Brand® and PFM (Pumice Filtration Media)® are used in both cartridge and open multi-media filters. In cartridge filters, Navajo Brand® pumice can replace sand, zeolites, and carbon based filter media. The narrow particle size range and rough surface texture of Navajo Brand® pumice provide an open void volume, which increases flow rates while maintaining excellent adsorption and impurity trapping capabilities.

In multi-media filters, PFM (Pumice Filtration Media)®, effectively replaces anthracite coal on top of the sand layer. PFM (Pumice Filtration Media)® like anthracite, has a low density, which facilitates trapping the impurity particles in the open void volume of the larger pumice particles thus preventing the blinding of the top of the sand filter media. This leads to longer run times and reduced back-washing.

In addition to its standard products CR Minerals can provide custom grades as requested. All PFM (Pumice Filtration Media)® products are NSF-61 approved and meet AWWA B100 physical and chemical specifications.

Navajo Brand® Pumice Cartridge Filters

#3	0.2 to 0.6 mm (30 to 60 Mesh)
#4	0.6 to 1.6 mm (12 to 40 Mesh)
#6	1.4 to 2.0 mm (10 to 14 Mesh)
#8	2.0 to 3.5 mm (6 to 10 Mesh)

PFM (Pumice Filtration Media)®

Grade	Effective Size	Uniformity Coefficient	Bulk Density (Lbs./Cu. Ft.)	Specific Gravity
6 x 10 Mesh	1.8 to 2.0 mm	1.4	23	1.0
8 x 12 Mesh	1.4 to 1.6 mm	1.3	24	1.1
9 x 14 Mesh	1.2 to 1.4 mm	1.3	24	1.1
12 x 20 Mesh	0.8 to 0.9 mm	1.4	25	1.2
14 x 22 Mesh	0.8 to 1.0mm	1.3	25	1.2

Comparison of PFM to Anthracite

	PFM	Anthracite
Uniformity Coefficient	1.3 to 1.4	1.2 to 1.5
Mohs Hardness	5.5 to 6.0	3
Hydraulic Density in Water (gm/cc)	1.5	1.5
Bulk Denisty	25 to 30	50
Cubic Feet of Media per One Ton	60 to 80	40

Additional Information at www.CRMinerals.com

To place an order or obtain additional information, please contact CR Minerals at 505-428-2940, or contact your local distributor.

CR Minerals is a worldwide supplier of pumice products to many diverse markets. It operates a state of the art processing facility in Ohkay Owingeh, New Mexico.