



P-HWA

CEMENTING SERVICE BULLETIN

11/29/12

P-HWA (PETROCHEM – HEAVY WEIGHT ADDITIVE)

TECHNICAL DATA

P-HWA is widely used in oil well cementing to produce slurries weighing as much as 20 lb. /gal. It is a reddish brown, naturally occurring mineral. P-HWA has no significant effect on thickening time nor compressive strength. This mineral is used in high-density slurries for several reasons:

- The prevention of blowouts or gas cutting in high abnormally pressured formations.
- To displace the drilling fluid in a more effective manner.

Due to the fact that P-HWA increases slurry viscosity, it is frequently necessary to use a dispersant (P-D88 and P-D88L). However, laboratory testing is necessary for all weighted slurries as the P-HWA could settle out of the slurry. This occurs because dispersant could cause the slurry to be too thin thus making it unable to suspend the P-HWA particles.

PHYSICAL PROPERTIES:

<u>MATERIAL</u>	<u>BULK DENSITY</u>	<u>SP.GR.</u>	<u>ABSOLUTE VOLUME</u>
P-HWA	193 lb. /cu. ft.	5.02	0.0239 gal/lb.

SAFETY

See Safety Data Sheet