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40 BENTONITE

This natural sodium bentonite is a hydrous Silicate of Alumina made up mostly of montmorillonite. It is also known as Sodium Bentonite. This clay swells several times its own volume when water is added. The #40 is granular and often used in sealing and lining applications that involve wet soils. It is also used in conditions that need to minimize dust particles.

Chemical Properties (typical):

SiO ₂	60.34%
Al ₂ O ₃	19.28%
Fe ₂ O ₂	3.48%
Na ₂ O	2.34%
MgO	1.67%
CaO	0.65%

Physical Properties:

Color	Light Gray / Tan
Moisture (%)	6-10%
pH	9.1 ± 0.4
Filtrate loss	18 ml (max API 13A)
Free Swell	24 ml / 2g min (ACC 1010)

Particle Size:

<u>Sieve Size</u>	<u>% Retained</u>
#20	0.1
#40	22.1
#100	55.4
#200	16.3
Pan	8.1

Origin: USA