



MINERALCOLLOID 103

HIGH QUALITY WYOMING SODIUM BENTONITE

DESCRIPTION

Mineral Colloid 103 is a non-treated, natural occurring, Wyoming Bentonite. Mineral Colloid 103 exhibits lower swelling characteristics due to its natural sodium/calcium mixture. This makes Mineral Colloid 103 ideal for the bonding of metal casting sands, giving a superior green bonding strength and lower hot strength. Mineral Colloid 103 is also ideal as a binder for animal feeds.

ADDITIONAL USES

Animal Feed Bonding, Absorbents

PROPERTIES

Property	Typical Analysis	Specification
% Minus U.S. 200 mesh	67.5-80%	67.5% minimum
Moisture	5-10%	12.0% max
Swell Index	16-17 cc	16 cc min
Bulk Density (uncompacted)	53 lbs./ft ³	53 +/- 4
pH	8.9	8.5-9.5

TYPICAL CHEMICAL ANALYSIS

ELEMENT	%	ELEMENT	%
SiO ₂	56.4	CaO	4.4
Al ₂ O ₃	17.0	K ₂ O	.53
Fe ₂ O ₃	4.3	Na ₂ O	2.7
MgO	2.6	TiO ₂	.55
		H ₂ O (crystal)	8.5

PACKAGING

Mineral Colloid 103 is available in 50 to 100-pound multi-ply paper sacks, bulk sacks, bulk truck, or rail.

AVAILABILITY

Mineral Colloid 103 is available through two (2) Wyoming plant locations. Please contact our **Customer Service Department** by either phone, fax, or email (see below).

Black Hills Bentonite LLC

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