

Technical Data Sheet



제품 설명 (Description)

GEKO® 벤토나이트는 천연 나트륨 및 활성화 나트륨 벤토나이트 제품으로 생형사를 이용한 주형의 점결제 등 다양한 범위에서 사용되며, 우수한 주형 강도, 열 저항성, 탈사성, 유동성의 특징을 가진 제품입니다.

GEKO® bentonites are natural sodium & sodium activated bentonite. It is used as a binder for greensand molding in a wide range of foundry application. Its particular effects are : High mould strength, Excellent thermal durability, excellent collapse ability at shakeout, High flow ability.

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제품 물성 (Material properties)

	게코 스탠다드 GEKO® STANDARD	게코 슈퍼 GEKO® SUPER	게코 옵티멈 GEKO® OPTIMUM	게코 오에이이 GEKO® OAE
수분 (%) Moisture	8~12	←	←	←
몬모릴로나이트 (%) Mont.	Min. 70	Min. 80	Min. 80	Min. 75
입도 (230mesh 잔류량%) Particle size	Max. 25	Max. 25	Max. 25	Max. 25
겉보기 비중 (g/cm ³) Loose bulk density	0.75~0.85	←	←	←
팽윤도 (ml/2g) Swelling volume	Min. 12	Min.16	Min.20	Min.23
생형압축강도(N/cm ²) GCS	Min. 8.0	Min. 9.0	Min. 9.0	Min. 8.0
습태인장강도(N/cm ²) WTS	Min. 0.18	Min. 0.22	Min. 0.22	Min. 0.22
550°C 압축강도(N/cm ²) GCS@550°C for 30min.	Min. 5.5	Min. 6.0	Min. 6.5	Min. 7.0
550°C 습태인장강도(N/cm ²) WTS@550°C for 30min.	Min. 0.08	Min. 0.12	Min. 0.15	Min. 0.18

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* Test method : Sand 100%, GEKO bentonite 5%, Moisture 2%, Compactability 45%, Mixing 6min.

** 상기 내용 중 일부 물성치는 현장 적용 특성에 따라 변경될 수 있습니다.
Some of properties above could be changed in accordance with characteristic of application.

화학 성분 (Chemical Composition)

Item	CAS no.	Component content (%)
SiO ₂	7631-86-9	60~65
Al ₂ O ₃	1344-28-1	14~17
Fe ₂ O ₃	1313-59-3	2~5
CaO	1332-37-2	2~4
Na ₂ O ₃	1309-48-4	2~5
MgO	1305-78-8	2~4
K ₂ O		0~1
Ignition Loss		Min. 6

* 벤토나이트 원광 특성에 따라 차이가 발생할 수 있습니다.
Differences of component content may occur based on natural bentonite condition.



포장 (Packaging)

제품 포장은 25kg 지대, 1ton bag 또는 30ton 벌크로 가능합니다.

Packed in 25kg paper bags on pallets, 1ton jumbo bags and 30tons road tanker.

보관 및 안정성 (Storage and stability)

상온에서 생산된 제품 용기에 보관하고 습기를 피해야 합니다. 부적절한 보관으로 제품의 특성이 저하 될 수 있습니다.

Store the product in its closed original packaging at ambient temperature and protect from humidity. A reduction of properties may result from inadequate storage.

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