



MINER

MADENCILIK | NAKLIYAT TIC. LTD.ŞTİ.

GEOSYNTHETIC CLAY BENTONITE

QUALITY

bentonite produced by our company offers superior performance properties specially designed for the geotextile sector. Our product is used in applications such as geosynthetic clay covers (GCL) to provide impermeability, durability and longevity.

RELIABLE SOLUTION

The bentonite we produce for the geotextile sector provides high performance, durability and environmental compatibility in your engineering projects. Contact us to provide the solutions you need in critical areas such as waste management, water insulation and ground stabilization.

SPECIAL BENTONITE SOLUTION FOR GEOTEXTILES

Usage Areas of Our Bentonite Product

- Geosynthetic Clay Liners (GCL):**
 - Our product is used as an impermeability layer in GCLs. Bentonite provides impermeability thanks to its swelling feature with water and offers a perfect solution in sealing applications.
 - solid waste storage areas, water reservoirs, tunnel insulation and channel linings.
- Soil Stabilization:**
 - Bentonite is an ideal material for stabilizing weak soils and increasing their durability. When used with geotextiles, it prevents ground settlement and increases the safety of structures.
- Underground Water Insulation:**
 - Bentonite layers are used to protect underground water resources and prevent water leaks. It provides effective insulation in dams and irrigation channels.

Benefits of Our Bentonite Product

- High Inflation Capacity:**
 - Bentonite expands to several times its volume when in contact with water and provides sealing. This feature is an important advantage in projects requiring water insulation.
- Long-Lasting Performance:**
 - Bentonite used in geotextile projects is resistant to environmental effects and continues its function for many years.
- Natural and Environmentally Friendly:**
 - Our product is a natural material that does not harm the environment. It can be used safely in sustainable projects thanks to its compliance with environmental standards.
- Easy Application:**
 - Bentonite can be easily applied in geotextile projects. It offers a fast and efficient installation process, thus supporting the timely completion of projects.

PRODUCT VALUES

MOISTURE (%)	SWELLING (ml/2gr)	WATER ABSORPTION (%)	INTENSITY (t/ m ³)	WATER LOSS (ml)	DIMENSION (mm)
8-12	35-40	450-500	0.79-0.83	12-18	0-2.5



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