

BioPolymer GA2055

GA2055 is specifically engineered to exhibit ultra-high viscosity and exceptional resistance to high-temperature and high-pressure environments. Its unique properties make it an ideal ingredient for applications that demand robust performance under challenging conditions. The specialized formulation ensures optimal functionality, making it a valuable asset in industries such as oilfield operations, construction, and others where such extreme conditions are encountered. This product represents a significant advancement in the application of biopolymers, offering enhanced performance and versatility.

technical data sheet

Specification

| | | |
|------------------------------------|------|---------------------|
| Appearance | | Light yellow powder |
| Particle size, through 120 mesh, % | | Min. 92 |
| Moisture, % | | Max. 15 |
| Viscosity, 600rpm | | Min. 90 |
| 0.28% DI, 300rpm | | Min. 70 |
| Water, 200rpm | | Min. 60 |
| FANN35/F0.2, 100rpm | | Min. 50 |
| 25°C, 6rpm | | Min. 40 |
| | 3rpm | Min. 35 |

Packaging & Storage

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|------------------|--|
| Standard Packing | 50 lb bag, 40 bags per pallet 25 kg bag, 40 bags per pallet |
| Storage | Each unit is labeled with product name and lot number. Store in a cool, dry area for optimal shelf life. |
| Handling | For safe handling of this product, please refer to the Safety Data Sheet (SDS). |

Shelf Life

| | |
|------------|---------|
| Shelf Life | 2 years |
|------------|---------|

Usage & Application

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|-----------------------------|---|
| Typical Dosage Applications | 0.1 to 0.5% Oilfield Applications: Acts as a thickening agent, enhancing the properties of cement in high-pressure and high-temperature wells. |
|-----------------------------|---|

Paper Industry: Contributes to stronger, smoother paper and more energy-efficient production processes.

Construction Industry: Improves the viscosity, workability, and strength of cement.

Biocompatible Hydrogels: Utilized in the development of hydrogels for applications such as drug delivery and tissue engineering.

Regulatory Information

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|-------------------|--|
| CAS No. | 72121-88-1 (alternatively recognized as 96949-22-3 in some cases). |
| HS Code | 3913.90 |
| Country of Origin | Made in China |

Date Updated: Sep 17, 2022

Disclaimer: The information provided in this document is based on tests that we believe to be reliable. However, the results of these tests may vary under different conditions and methodologies. It is the responsibility of the prospective user to determine the suitability of our products for their specific use. The user is responsible for ensuring that their use of our products, as well as their workplace practices, are in compliance with all applicable laws and regulations.

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