

Biopolymer GA3545

GA3545, a high molecular weight polysaccharide, exhibits unique properties such as gel formation and film creation, making it a versatile material for various industrial applications. Particularly useful in construction as a binder and in biodegradable packaging production, GA3545 stands as an eco-friendly solution for sustainable industries.

technical data sheet

Specification

| | |
|--|---------------------------|
| Appearance | White to off-white powder |
| Gel strength, g/cm ² | Min. 450 |
| Curdlan content (calculated as anhydrous glucose), w/% | Min. 80 |
| pH, 1% solution | 6.0 - 7.5 |
| Loss on drying, w/% | Max. 10 |
| Ash, w/% | Max. 6.0 |

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

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

Usage & Application

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| Typical Dosage Applications | 0.1 to 1% Environmental Applications: Useful in the production of biodegradable plastics. |
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Water Treatment: Its gel-forming properties can aid in pollutant removal.

Oil Industry: Can act as a thickening agent to improve oil recovery efficiency.

Textile Industry: Can serve as a thickener for dyes, enhancing dyeing quality and durability.

Paper Industry: Can be used as a coating agent to enhance paper quality and water resistance.

Construction Industry: Can serve as a binder in construction materials to improve strength and durability.

Regulatory Information

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|-------------------|---------------|
| CAS No. | 54724-00-4 |
| HS Code | 3913.90 |
| Country of Origin | Made in China |

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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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