



Unlock Winning Functionality

ADM's PurelyForm™ xanthan gums are one of the most effective and versatile rheology modifiers available today—providing a plant-based textural solution to the needs of industrial manufacturers to improve stability, flow and cling in their products.

Our industrial hydrocolloid solution, PurelyForm™ xanthan gum, is a consistent, cost-effective and naturally derived hydrocolloid produced in the U.S. for all your industrial needs. It thickens and stabilizes in paints and coatings, promotes shear thinning in oil drilling, suspends particles and colors in landscaping, increases rheological properties in aerial-delivered fire retardants, and more.

PERFORMANCE WITH BENEFITS

PurelyForm™ xanthan gum offers:

- Unique flow behavior
- Instantaneous, reversible shear-thinning
- High viscosity at low concentrations
- High resistance to the effects of:
 - enzymes, heat, ionic strength, pH, shear

WHY ADM: INDUSTRIAL HYDROCOLLOIDS

Derived from
plant-based,
renewable
resources

Versatile
functionality
with high
viscosity at low
concentrations

Produced
in the U.S.
with consistent,
unrivalled
quality

Expert R&D
support with
customizable,
personalized
solutions



Safe, Reliable Plant-Based Solutions You Can Trust

Quality, reliability and transparency remain key industry pillars of importance. ADM's partnership with regional growers ensures the highest quality ingredients and consistency from the field to market.

Our xanthan gum is derived from renewable, plant-based resources and produced via a fermentation process in our dedicated xanthan plant, part of our complex in Decatur, Illinois.

ADM monitors and controls every stage from crop processing and raw material selection right through to the finished product, assuring quality throughout:

- Derived from plant-based, renewable sources
- Produced in the U.S.

CLAIMS & CERTIFICATIONS IN DEMAND

- **Approved for Food & Beverage Use**
- **PCR Negative for GMO & Allergens***
- **EU Permitted**
- **Halal**
(Islamic Food & Nutrition Council of America)
- **Kosher Certification**
(Products, Facilities & Transport Vessels, Orthodox Union)
- **Clean Label**
- **Organic Compliant**
- **Plant-Based Ingredients**
- **Gluten Free**
- **FSSC & GFSI Recognized**
(Third-party certification)
- **SEDEX**
(Supplier Ethical Data Exchange)
- **ISO 9001:2008**
(Quality Management System)
- **Manufactured Per FSMA Guidelines**
(FDA Food Safety Modernization Act)
- **PCQI**
(Trained for Human & Animal Feed)
- **HACCP**
(Best-in-Class International HACCP Alliance Trained Teams)
- **C-TPAT Certified**
(Achievement in Food Safety)

* Negative for allergens means below limit of detection

More Applications, More Benefits

Partner with ADM to gain an edge in textural performance among industrial applications. Benefit from our years of experience and R&D technical expertise to solve any textural challenge with custom, plant-based solutions derived from renewable sources.

PERFORMANCE IN MIND

ADM PurelyForm™ xanthan gum is created with performance in mind. Our xanthan gums thicken, suspend and stabilize, promote shear-thinning, improve clarity and dispersion, and allow for faster hydration.



Paints, Coatings, Building Chemicals & Adhesives

- Flow control for aqueous systems
- Suspension of particulates, minimizing sedimentation risk
- High, low-shear viscosity and 'cling' to difficult surfaces



Toilet & Surface Cleaners

- Improved acid/enzyme delivery
- Even coating with no streaking



Fire-Fighting Foams

- Stable raft formation on contact with oil or petroleum
- Enhanced foam-building ability with good suspension and long-term stability



Polishes

- Good suspension of abrasive particles; stability with solvents, alcohol and enzymes
- Even dispensing from narrow and trigger-spray containers



Flowable Agrochemical Sprays

- Enhanced control, reducing wind-drift
- Good 'cling' to improve pesticide retention on plants



Ceramic Glazes

Gives even coating over difficult surfaces



Foundry Core Wash

Refining coating characteristics



Latex Production

Enhancing emulsion stability



Liquid Fertilizers

Improving the shelf-life of micro-nutrient fertilizer suspensions



Textiles

Thickening textile and carpet printing inks/dyes



Mineral Processing

Improving suspension, prevents sedimentation in transit



Specialty Automotive Products

Thickening de-icing fluids and screen washes



Oil Drilling

Promotes shear-thinning

Partner with a Global Leader Who Gives You an Edge

At ADM, our high-quality, U.S.-sourced, plant-based PurelyForm™ ingredients include 85+ years of expertise. We are a global leader in functional texture ingredients with the technical knowledge to ensure the products you send to market are the best available. When it comes to hydrocolloids for your industrial products, your edge is our expertise.

PURELYFORM™ XANTHAN GUM SPECIFICATIONS:

Color: Cream to tan-colored

Format: Free-flowing powder intended for use in non-food applications as a thickener and rheology control agent

Shelf Life: 3 years, shelf-life extensions with additional testing

Packaging: Supersacks and boxes available for packaging

AVAILABLE OPTIONS:

Product Code	Product Name*	Description
#174960	PurelyForm™ XG Tech D	standard
#174965	PurelyForm™ XG Tech DT	transparent
#174970	PurelyForm™ XG Tech	standard
#174975	PurelyForm™ XG Tech T	transparent
#174993	PurelyForm™ XG Tech 80T	transparent
#174994	PurelyForm™ XG Tech 200T	transparent
#174992	PurelyForm™ XG Tech FG	fine grade

* All products listed were formerly known as OptiXan™

APPLICATIONS EXPERTISE

We leverage our best-in-class analytical, biotech, and innovation capabilities and enhanced textural solutions across a variety of applications in these industries:

Construction	Packaging	Pulp & Paper
Household Products	Paints, Inks & Coatings	Fire Suppression
Industrial Chemicals	Petroleum	Landscaping
Mining & Drilling	Plastics	

SAFE, RELIABLE OPTIONS

We unlock value for you by monitoring and controlling every stage along the way from field to finished product. Our high quality, plant-based sources ensure that you receive the best options available.

SPEED TO MARKET

Our global reach and direct partnerships with growers produce a consistent supply of the ingredient components you need, when you need them. Our cross-functional team's expertise, innovation and ground-breaking solutions help get your finished product to market quicker.

COST-EFFECTIVENESS

With ADM, you get cost-effective and consistently high-quality, naturally derived hydrocolloids to meet your needs for a vast range of industrial applications.

ADM DELIVERS FOR YOU

With ADM you have a partner who combines renewable, highly functional and cost-effective xanthan gum ingredients with unmatched technical ingenuity. We bring over 85 years of experience with our broad texturant portfolio to the table. Our extensive technical and R&D expertise gives you an edge in developing consumer-preferred and safe final products. Our high processing standards and partnership with growers ensures a premium-quality product from field to market. Count on us to meet any formulation challenge and to deliver for you every time.

To request samples email samples@adm.com. For technical consultation or support, email SIQA@adm.com.

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