



NUMBER 4047-6 (Supersedes 4047-5)

Ambergum™ 3021 water-soluble polymer

Cellulosic Polymer Solution

Description

Ambergum 3021 water-soluble polymer is a 30% aqueous solution of a low-molecular-weight anionic carboxymethylcellulose (CMC) polymer. It was designed to eliminate the handling and dissolving of the dry cellulosic polymer. It provides viscosity control and wetting uniformity. In addition, the anionic versions of Ambergum show dispersion properties which are useful in many applications to stabilize particles.

Key Attributes

- Viscosity Control
- Wetting uniformity
- Dispersion properties to stabilize particles

Applications and Usage Notes

- **Lithographic Fountain Solutions**
 - Ambergum water-soluble polymers are a cost effective alternative to gum arabic to provide clean viscosity control and unique rheology in gumming and fountain solutions.
 - They function as wetting agents and can replace isopropyl alcohol in some systems.
 - Ambergum water-soluble polymers are produced from reliable and stable raw material sources.
 - When used in fountain solutions, they can prevent emulsification, bleeding of ink, and can provide more uniform wetting of the printing plate.
- Ambergum 3021 water-soluble polymers can be used as a:
 - Pigment dispersant
 - Binder
 - Stabilizer
 - Flow-control agent
 - Liquid thickener
 - Protective colloid

Typical Physical Properties

Appearance:	Pale amber liquid
Total solids, %:	29.5-32.0
pH:	4.5-7.0
Viscosity at 25°C, cps (mPa·s) Brookfield LVF:	1,000-2,000
Charge	Anionic
% Active	30%

Packaging Information

Product	Physical Form	Pkg Type	Net Wgt (lbs)	Net Wgt (kgs)
Ambergum™ 3021	Liquid	Drum	550 lbs	226.8 kgs
Ambergum 3021	Liquid	IBC	2,500 lbs	1,134 kgs

Handling

Ambergum 3021 water-soluble polymer is supplied as a ready-to-use liquid. In this form, it can be metered directly into the formulation.

Product Safety Information

Read and understand the Safety Data Sheet (SDS) before using this product.

To learn more, visit ashland.com

EMAIL: specialtiessolutions@ashland.com

CHINA Tel: +86 212402 4888 DUBAI Tel: +9714 3818512
 MEXICO Tel: +52 55 52 76 6121 SINGAPORE Tel: +65 6775 5366
 SWITZERLAND Tel: +4152 560 55 00

INDIA Tel: +91 22 61484646