



**NUMBER 4097-5** (Supersedes 4097-4)

# Ambergum™ 3085 polymer

## Cellulosic Polymer Solution

### Description

Ambergum 3085 polymer is a 40% hydroxypropylcellulose (HPC) polymer solution. It is an aqueous solution and does not contain any solvents or volatile organic compounds. Ambergum 3085 polymer is used as a replacement for isopropyl alcohol on Dahlgren-type damping systems or as an additive for other damping systems. Ambergum 3085 polymer is used in lithographic printing as a wetting agent. Its use in lithographic printing as an isopropyl alcohol replacement is covered by U.S. patent number 5,006,168.

### Key Attributes

- Surface Active
- Viscosity Control
- Uniform Wetting

### Applications and Usage Notes

- **Lithographic Fountain Solutions**
  - Ambergum 3085 polymer can be added directly to the press water makeup system to replace isopropyl alcohol, or formulated into a one-step fountain solution concentrate.

Effective dosage will vary with the press and damping systems. Tests indicate that Ambergum 3085 polymer, used at 0.5-1.0% (by weight) as received, will replace 15-25% (by volume) isopropyl alcohol.

Water, 70°F	Surface Tension <sup>(a)</sup> , dynes/cm <sup>(b)</sup>					
	Solids, %					
	1.0	0.25	0.5	0.8	1.0	Control (Water)
Tap	42.7	42.1	41.7	41.0	39.9	71.9
Distilled	42.2	41.4	40.7	40.8	41.3	70.9

<sup>(a)</sup>Fischer Autotensiomat, Fischer & Porter Co.

<sup>(b)</sup>Values shown are averages and are not to be construed as specifications.

### Typical Product Properties

Appearance .....	pale yellow-green liquid
Total solids, % .....	40
pH .....	3.0
Density, lbs/gal (kg/l) .....	9.0 (1.08)
Viscosity at 25°C, cps (mPa·s)	
Brookfield LVF .....	1,500



## Packaging Information

Product	Physical Form	Pkg Type	Net Wgt (lbs)	Net Wgt (kgs)
Ambergum™ 3085 polymer	Liquid	Drum	475 lbs	215.4 kgs

## Product Safety Information

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

To learn more, visit [ashland.com](http://ashland.com)

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