



# JEMINI 100™

## POLYMER MODIFIER

# DATA SHEET

## JEMINI 100™ Polymer Modifier

### Product Description

JEMINI 100™ Polymer Modifier is a phthalate free, non-petroleum (organic) based heat-resistant product. This agri-derived liquid does not contribute to fuel load and **enhances flame retardancy** in compounds incorporating additives such as Magnesium Hydroxide and ATH. This environmentally friendly additive has a very low vapor pressure up to 280°C. JEMINI 100™ can be used as a highly efficient process aid and internal lubricant that helps reduce the physical properties lost in compounds with extraordinary high loadings of fillers which otherwise could not be processed.

### Applications

- Non polar plastics when flammability is a concern (e.g. FR PP or PE).
- High temperature processing up to 280°C. Heavily filled polymers

### Typical Properties

Appearance  
Specific gravity  
pH  
Viscosity

### Typical Value

Light amber liquid  
1.02  
7.0  
~ 500 cps @ RT (at 23°C)

**Process Recommendations:** A loading level of 3-9% (by weight) is recommended dependent upon base resin and application. To ensure consistent dispersion it is recommended to use a gravimetric, gear pump feeding system and a liquid injector in barrel four.

### Health and Safety Information

Product health and safety information may be obtained from the Material Safety Data Sheet (MSDS). For a copy, please call 440-354-2551 or email at: [kara.opritza@jji-technologies.com](mailto:kara.opritza@jji-technologies.com). Before using any product, a customer is advised to review the MSDS of a respective product.

For more information or samples

call: 1-877-JJI-FAQS (877-554-3277)

OR visit us online at: [www.JJI-Technologies.com](http://www.JJI-Technologies.com)