



# Paragum 109

## Alkali Soluble Thickener

## Technical Data Sheet

**Paragum 109** is a water thin, alkali soluble cross-linked polymer dispersion from which high efficiency thickeners can be readily prepared through neutralization with an appropriate alkali such as ammonia or caustic. **Paragum 109** is used extensively as an "in-situ" thickener by adding directly to the material to be thickened. Alkaline materials will rapidly thicken as the dispersion swells. Acidic materials will rapidly thicken when the pH is raised by alkali addition.

**Paragum 109** performs effectively in a broad range of lattices: coatings, adhesives, dispersions, and solutions. Ease of handling and processing, safety, thickening efficiency, and consistency combine with its unique short 'buttery' flow characteristics to give the formulator great latitude and flexibility in product design. When used in combination with other **Paragum** thickeners, an even wider range of rheological properties can be obtained.

**Paragum 109** solution preparation: Dilute with water, then neutralize to a pH of 8.0 – 9.0 with dilute alkali. Initial dilution avoids formation of gels which can be difficult to dissolve. Solutions up to about 5 % solids can be readily prepared. More concentrated solutions may require special mixing equipment or techniques.

**Paragum 109** "in-situ" use recommendations: Dilute dispersion with an equal amount of water prior to addition to the system to be thickened.

**Paragum 109** is cleared for use under FDA food packaging regulations as set forth in Title 21 CFR sections 175.105, 176.170, and 176.180.

**Paragum 109** application areas: Carpet and Rug. Upholstery. Textile and apparel. Ink and print bases. Industrial cleaners. Specialty dispersions and suspensions. Wall coverings.

**Paragum 109** is manufactured in our Dalton, GA plant using Tiarco-RST Quality Assurance process, with continual improvement as its goal. This assures batch-to-batch consistency with minimal deviation.

### SPECIFICATIONS

Appearance:	Thin, milky white solution
Solids (Microwave):	35.0 – 36.0
pH:	2.0 – 3.5
Viscosity 25C	< 300 cps

**Paragum 109** is available in drum, tote, and tanker truck quantities.

For samples, additional information, or pricing, please call **1-877-284-2726**.

**Tiarco-RST**  
**1010 Vista Drive**  
**Dalton GA 30721**