



Paragum 511

Alkali Soluble Thickener

Technical Data Sheet

Paragum 511 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 511** 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 511 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 "stringy" or viscoelastic 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 511 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 511 "in-situ" use recommendations: Dilute dispersion with an equal amount of water prior to addition to the system to be thickened.

Paragum 511 application areas: Carpet and Rug. Upholstery. Textile and apparel. Ink and print bases. Industrial cleaners. Specialty dispersions and suspensions. Wall coverings.

Paragum 511 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):	20 - 21%
pH:	2.0 – 3.0
Viscosity 25C	< 250 cps

Paragum 511 is available in drum, tote, and tanker truck quantities.

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

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