

SAJA / SANJIA POLYMER

Technical Data Sheet (TDS)

EP-10

High-Efficiency Thickener (Hydrophobically Modified Acrylic)

Product Description

EP-10 High-Efficiency Thickener is a hydrophobically modified acrylic polymer designed for various water-based compounding systems. It effectively prevents phase separation, mitigates syneresis stratification, and guarantees exceptional consistency profile stability. Formulations utilizing this modifier achieve excellent anti-sag behavior and outstanding wet shape definition paired with reduced resistance profiles during industrial operations. It exhibits a relatively low thixotropic character, delivering a uniform jelly-like rheological state.

Product Features

- Prevents phase separation, mitigates syneresis stratification, and stabilizes overall consistency.
- Excellent anti-sag wet performance, reliable shape configuration, and low operational resistance profiles during processing.
- Relatively low thixotropic character.

Physical Properties*

Properties	Value	Unit	Test Method / Conditions
Appearance	Milky white emulsion	—	Visual
Solid Content	30 ± 1	wt%	GB/T 20623-2006

pH	3.0 - 4.0	—	GB/T 20623-2006
Viscosity	< 100	CPS	Brookfield DV-S, 2# Spindle, 30rpm, 25°C
Consistency	110 - 130	KU	4% Aqueous Solution at pH = 7.5

*Note: *The technical data listed above represent typical performance indications only and should not be construed as rigid product specifications. Please refer directly to the actual Certificate of Analysis (COA) for official specifications.*

Storage

Please store this material in a cool, dry area protected from direct sunlight exposure. Maintain storage temperatures strictly between 5°C and 35°C while keeping the original containers completely sealed and intact. This product carries an official effective shelf life of six months from its recorded manufacturing date. If the emulsion is stored beyond this period, a comprehensive performance re-evaluation is advised before manufacturing usage. Once unsealed, it is recommended to pass the fluid through an appropriate screen filter prior to manufacturing application, and the remaining product should be consumed as quickly as possible.

Disclaimer

Shandong Sanjia Polymer Material Co., Ltd. strongly recommends that clients execute processing, handling, and formulation operations safely and reasonably based upon the precise directives detailed in the corresponding Material Safety Data Sheet (MSDS). Although the technical suggestions and numerical arrays compiled here are true and dependable to our best knowledge, the contents of this technical data sheet are presented exclusively for reference purposes. Our company provides no warranties, whether express or implied, regarding specific product features, custom application results, quality parameters, safety indications, commercial specifications, merchantability, or fitness matching any specialized individual purpose.

Shandong Sanjia Polymer Material Co., Ltd.