

SAJA POLYMER

Technical Data Sheet (TDS)

PUC

Associative Polyurethane Thickener Grade

Product Description

Model PUC is a high-performance associative polyurethane rheological modifier. It presents as a light yellowish viscous liquid matrix. The polymer delivers unique rheological properties resembling the smooth consistency of honey, working effectively to enhance wet adhesion parameters within various formulations. It features excellent substrate water resistance and exhibits a strictly non-ionic character, ensuring its technical performance remains completely unaffected by variations in system pH values.

Product Features

- Imparts a smooth honey-like rheological behavior and improves wet adhesive strength.
- Provides robust water resistance parameters.
- Strictly non-ionic nature, delivering highly stable performance completely independent of formulation pH environment.

Physical Properties*

Properties	Value	Unit	Test Method / Conditions
Appearance	Light yellowish viscous liquid	—	Visual inspection
Solid Content	40 ± 1	wt%	GB/T 20623-2006

*Note: *The physical parameters compiled above represent typical research laboratory results only and do not constitute formal commercial specifications. Please consult the official Certificate of Analysis (COA) for accurate batch specifications.*

Storage Guidelines

This modifier must be stored inside original, fully closed containers protected from direct sunlight, in a cool and dry environment. Ensure storage temperatures are maintained within the safe margins of 5°C to 35°C. The standard effective shelf life extends to six months counting from the original manufacturing timeline. Should the compound material exceed this predefined window, a comprehensive product performance verification is highly advised before production usage. Once unsealed, passing the raw fluid through an appropriate screen filter prior to manufacturing application is recommended, and all remainder material should be consumed as quickly as possible.

Disclaimer

Shandong Sanjia Polymer Material Co., Ltd. strongly recommends that clients implement storage, structural compounding, and practical application operations safely and rationally based on the detailed chemical data array provided in the corresponding Material Safety Data Sheet (MSDS). While the technical suggestions and empirical values compiled inside this guide document are dependable and true to our finest knowledge, the contents of this technical data sheet are rendered exclusively as guide reference material. Our corporation offers no warranties, whether express or implied, regarding specific product attributes, customized field performance, systematic quality profiles, raw spec tracking, standard merchantability, or matching compatibility for any individual specialized purpose.

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