

Technical Data Sheet

Version: 2.0
Page 1, Total 2

Date: 21 / 2 / 2025



Item Name:

PAA

PRODUCT INFORMATION

Chinese Name:	丙烯酸均聚物钠盐
Commodity Name:	Sodium Polyacrylate
Chemical Name:	Polyacrylic Acid Sodium Salt
Other Name:	Acrylic Homopolymer Sodium Salt
CAS No.:	9003-04-7
Molecular Weight:	3500~5500
Molecular Formula:	$(C_3H_3NaO_2)_n$
H.S.Code:	39069000

PRODUCT DESCRIPTION

Excellent calcium chelating ability and ash deposition resistance, excellent performance in combination with inorganic builders such as zeolite and layer silicon. It can be used in liquid detergents when it is compounded with surfactants without delamination.

Good pH buffering capacity to reduce the irritation of detergent on the skin.

Improve the performance of the powdered slurry, increase the slurry concentration, save energy; increase the particle size and strength of the washing powder, and reduce the fine powder content.

The recommended addition amount in the detergent formula is 0.8% to 1.5%, and the recommended addition amount in the laundry detergent formula is 2% to 3%.

TECHNICAL SPECIFICATION

Index	PAA-445	PAA-300
Appearance	Transparent lightly yellowish viscous liquid	
pH of 1% water sol.	7 - 9	
Molecular weight	3500 - 5500	/
Calcium exchange capacity by mgCaCO ₃ /g	340 min	400 min
Monomer residue by ppm	500 max	/
Calcium dispersing ability by mgCaCO ₃ /g	80 min	295 min
Viscosity by mpa.s (20°C)	1000 max	180 - 220
Solid content by wt %	45 ± 1	28 - 32

PACKING, LOADING AND SHELF LIFE

Packing: 200L(250kg) Plastic drum, 1200kg IBC drum

Loading: 20mt/20'fcl for 200L drums only and on pallets. 24mt/20'fcl for 1200kg IBC

Shelf Life: 24 months when stored in cool, dry and ventilated warehouse, away from incompatible materials.

DISCLAIMER

The information provided in this data sheets is for informational purposes only is considered reliable, but Rawchem doesn't guarantee how any other products associated with this information will behave in combination with variables to other matters. It's recommended to make adaptations to local working conditions and to the raw material to be used.



Click here to check the D-U-N-S®
Registered Profile for LK (Nanjing) Co., Ltd.

www.rawchemchina.com office@rawchemchina.com

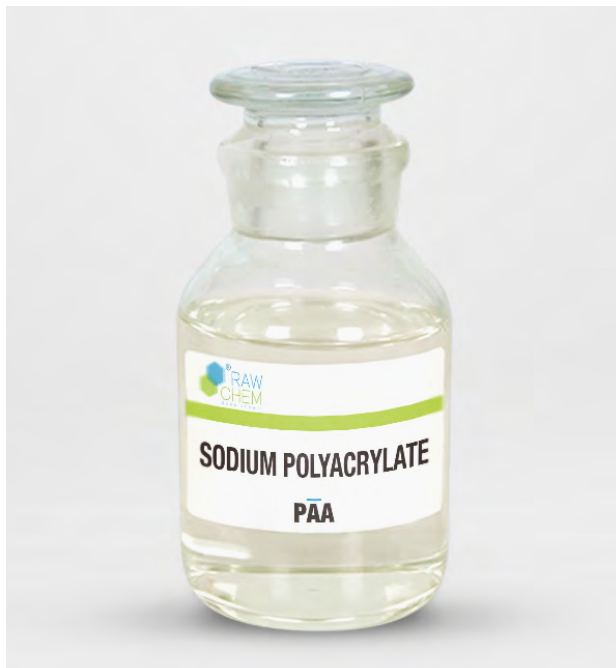
Technical Data Sheet

Version: 2.0
Page 2, Total 2

Date: 21 / 2 / 2025



PRODUCT IMAGE



* The image shown here is indicative only. The actual product may differ.

LOADING IMAGE



DISCLAIMER

The information provided in this data sheets is for informational purposes only is considered reliable, but Rawchem doesn't guarantee how any other products associated with this information will behave in combination with variables to other matters. It's recommended to make adaptations to local working conditions and to the raw material to be used.



Click here to check the D-U-N-S®
Registered Profile for LK (Nanjing) Co., Ltd.

www.rawchemchina.com office@rawchemchina.com