

KR-445N Homopolymer of Acrylic Acid Sodium Salt



Product Features

KR-445N is a homopolymer of acrylic acid with an optimized molecular weight to be used in different applications such as: liquid fabric wash, laundry additives, industrial and institutional detergents.

It is supplied in liquid form and available as partially (KR-445 Detergent Polymer) or fully neutralized KR-445N Detergent Polymer grades.

Technical Specification

Parameter	Standard
Appearance	Clear,colorless to pale yellow aqueous solution
Average molecular weight	4500
Solid content, %	45 min
Density (20℃), g/cm ³	1.30 min
PH (as it)	6.0-9.0
Viscosity(20℃), cps	300-1300


Scale & Corrosion Inhibition Performance

CaCO ₃ inhibition	CaSO ₄ inhibition	BaSO ₄ inhibition	Silicate inhibition
Excellent	Very good	Good	Good
Calcium tolerance	Clay/Silt Dispersion	Thermal Stability	Iron Oxide Dispersion
Excellent	Very good	Excellent	Very Good

Package & Storage

25L Drum	200L Drum	1000L IBC	ISO Tank
			
Storage for 10 months in shady room and dry place.			

Hazard & Safety Precaution

Hazard Information	Safety Precaution
Not regulated	  
Once contacted with eye and skin, flush with plenty of clean water	

Alternative Name / Synonyms

- Acusol445N