

SPECIFICATION

Polyacrylic Acid

Parameters	Specification
CAS Number	2594322
Appearance	White to off-white powder
Molecular Formula	$(C_3H_4O_2)_n$
Molecular Weight	50000 g/mol
Boiling Point	260 °C
Melting Point	200 °C
Flash Point	250 °C
Purity	98–99%
Refractive Index	1.5
Solubility	Water-soluble (pH dependent); insoluble in most organic solvents
Uses	Thickener and binder in cosmetics and personal care; dispersant and stabilizer in detergents; binder in coatings; water treatment applications

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