

Solvay Aluminum Sulfate

Category : Fluid , Other Engineering Material , Additive/Filler for Polymer

Material Notes:

Description: Aluminum Sulfate, Solution, technical grade is a clear, water white to slightly yellow-brown liquid. It complies with the standards of the American Water Works Association B403-98. It has been certified by the National Sanitation Foundation (NSF) for use in the treatment of drinking water at a maximum dosage of 150 mg/L (dry basis). Formula: $Al_2(SO_4)_3$ (In aqueous solution Nomenclature: Aluminum Sulfate, Solution Liquid AlumCAS: 10043-01-3CAS Index: Sulfuric Acid, Aluminum Salt (3:2)Available in: North AmericaUses: Chemical: In leather tanning, fur dressing, and catalyst manufacturing; Pulp and Paper: In the manufacture of paper; Textiles: As a mordant in dyeing; and Water Treatment: The treatment of water and waste water in coagulation, flocculation and phosphorous removalInformation provided by Rhodia, Rhodia has been acquired by Solvay.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-Aluminum-Sulfate.php

Physical Properties	Metric	English	Comments
Density	1.33 g/cc @Temperature 60.0 °C	0.0480 lb/in ³ @Temperature 140 °F	For 8.25% Al_2O_3 solution
pH	0.20 - 2.5	0.20 - 2.5	acidic to basic, For 8.25% Al_2O_3 solution
	2.2 - 4.0	2.2 - 4.0	1% solution, acidic to basic, For 8.25% Al_2O_3 solution
Molecular Weight	342.2 g/mol	342.2 g/mol	

Thermal Properties	Metric	English	Comments
Melting Point	-15.5 °C	4.10 °F	Freezing Point

Descriptive Properties	Value	Comments
Assay	>26.9%	As Aluminum Sulfate, Anhydrous $Al_2(SO_4)_3$
	>8.0%	As available Water Soluble Al_2O_3

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