

Indium Corp. In₂(SO₄)₃ * 9H₂O Indium Sulfate Hydrated Salt

Category : Ceramic

Material Notes:

Indium Sulfate is a grayish-white powder. It is hygroscopic and possesses a monoclinic prism structure. It is available as an anhydrous powder, a hydrated salt with 9 moles of associated water, and a solution in varying concentrations up to its solubility limit in water. Indium Sulfate is used as a synthesis chemical and as a hardening agent in gold electroplating baths. Properties Chemical Formula: In₂(SO₄)₃ * 9H₂O General Description: Grayish white hygroscopic powder; monoclinic prisms Purity Grades Available: 4N (99.99%), 5N (99.999%) Uses Chemical synthesis Hardening agent in gold electroplating baths Information provided by the manufacturer, Indium Corporation of America.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Indium-Corp-In2SO43-9H2O-Indium-Sulfate-Hydrated-Salt.php

Physical Properties	Metric	English	Comments
Specific Gravity	3.438 g/cc	3.438 g/cc	
Solubility in Water	53.92 % @Temperature 20.0 Â°C	53.92 % @Temperature 68.0 Â°F	
Molecular Weight	679.95 g/mol	679.95 g/mol	
Vapor Pressure	0.0133 bar @Temperature 645 Â°C	10.0 torr @Temperature 1190 Â°F	Dissociation Pressure
	1.20 bar @Temperature 820 Â°C	900 torr @Temperature 1510 Â°F	Dissociation Pressure

Thermal Properties	Metric	English	Comments
Specific Heat Capacity	0.540 J/g-Â°C @Temperature 0.000 - 100 Â°C	0.129 BTU/lb-Â°F @Temperature 32.0 - 212 Â°F	

Component Elements Properties	Metric	English	Comments
Indium, In	31.5 - 35.9 %	31.5 - 35.9 %	
	33.77 %	33.77 %	Theoretical

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