

Indium Corp. GaCl₃ Gallium Trichloride, Anhydrous

Category : Ceramic , Halide

Material Notes:

Synonyms: Gallium Chloride, Gallium (III) Chloride CAS Number: 13450-90-3 EC Number: 236-610-0 RTECS: LW9100000 Purity: 99.5 to 99.999% Gallium Trichloride Appearance: Clear or White, Needle-shaped Crystals; Deliquescent; Fumes in Air Form: Solid Polycrystalline or Free-Flowing Granule Solubility: Soluble in Water, Ammonia, Benzene, Ethers, Carbon Disulfide, Carbon Tetrachloride. Information provided by the manufacturer, Indium Corporation of America.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Indium-Corp-GaCl3-Gallium-Trichloride-Anhydrous.php

Physical Properties	Metric	English	Comments
Density	2.47 g/cc	0.0892 lb/in ³	Solid
	2.05 g/cc @Temperature 77.9 °C	0.0741 lb/in ³ @Temperature 172 °F	Liquid at mp
Molecular Weight	176.08 g/mol	176.08 g/mol	
Vapor Pressure	0.00133 bar @Temperature 48.0 °C	1.00 torr @Temperature 118 °F	
	0.0133 bar @Temperature 78.0 °C	10.0 torr @Temperature 172 °F	

Thermal Properties	Metric	English	Comments
Melting Point	77.9 °C	172 °F	
Boiling Point	201.3 °C	394.3 °F	
	@Pressure 0.101 MPa	@Pressure 14.7 psi	

Component Elements Properties	Metric	English	Comments
Aluminum, Al	<= 0.00010 %	<= 0.00010 %	Typical
	<= 0.00050 %	<= 0.00050 %	
Copper, Cu	<= 0.00010 %	<= 0.00010 %	Typical
	<= 0.00030 %	<= 0.00030 %	
Gallium, Ga	0.39596 %	0.39596 %	Theoretical

Germanium, Ge Component Elements Properties	0.00010 % Metric	0.00010 % English	Typical Comments
	0.00050 %	0.00050 %	
Indium, In	<= 0.00010 %	<= 0.00010 %	Typical
	<= 0.00050 %	<= 0.00050 %	
Iron, Fe	<= 0.00010 %	<= 0.00010 %	Typical
	<= 0.00040 %	<= 0.00040 %	
Lead, Pb	<= 0.00010 %	<= 0.00010 %	Typical
	<= 0.00050 %	<= 0.00050 %	
Nickel, Ni	<= 0.00010 %	<= 0.00010 %	
Sodium, Na	<= 0.00010 %	<= 0.00010 %	Typical
	<= 0.00050 %	<= 0.00050 %	
Tin, Sn	<= 0.00010 %	<= 0.00010 %	Typical
	<= 0.00050 %	<= 0.00050 %	
Trace Metals	<= 0.00030 %	<= 0.00030 %	Total combined metals, typical
	<= 0.0010 %	<= 0.0010 %	Total combined metals
Zinc, Zn	<= 0.00010 %	<= 0.00010 %	Typical
	<= 0.00050 %	<= 0.00050 %	

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