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Typical Product Specifications & Properties

Lithium Aluminum Hydride

CAS Number: : 16853-85-3

Specifications	Limits
Appearance	white to light grey powder
Bulk Density	about 0.4 g/ccm
Molecular weight	37.95
Density	0.9 g/ccm at 20C
Theoretical hydrogen content	10.62% equivalent to 2.36 liters of hydrogen per g evolved in hydrolysis
Solubility	about 39 g/100g diethyl ether
Solubility	about 0.1 g/100g dioxane
Decomposition temperature	appreciable decomposition with evolution of hydrogen at 125C and above
Solubility	about 15 g/100g tetrahydrofuran
Solubility	about 2 g/100g of dibutyl ether
Assay	97% min
Chemical Structure	 parchem fine & specialty chemicals



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