

Synthetic Cryolite (Na_3AlF_6)

Product name: Synthetic Cryolite	CAS No.: 13775-53-6
Molecular formula: Na_3AlF_6	Molecular weight: 209.94 g/mol
UN No.: 3077	Class: 9
Country of Origin: China	

Technical Index

Items	Unit	Index
Content	% ≥	98.00
Fluorine [F]	%	53.0±1.00
Aluminum [Al]	%	13.0±1.00
Sodium [Na]	%	32.0±1.00
Iron [Fe_2O_3]	% ≤	0.05
Silicon Dioxide [SiO_2]	% ≤	0.20
Phosphorous [P_2O_5]	% ≤	0.01
Sulfate [SO_4]	% ≤	0.45
Moisture [H_2O]	% ≤	0.40

Uses:

1. Cryolite is used by aluminum producers to lower the melting point of electrolytes in the smelting process and increase production efficiency.
2. In glass, cryolite functions as a powerful flux because of its excellent solvent power for oxides of silicon, Aluminium & Calcium. Cryolite is used as a filler for resin-bonded grinding wheels in abrasive industry to give longer life.

