

SPECIFICATION SYNTHETIC CRYOLITE STANDARD

Physical properties :

Specific gravity :	2,95 g/cm ³
Bulk density:	1,2-1,5 kg/l
Vibrated bulk density:	1,5-1,8 kg/l

Appearance

State of condition: crystallised

Colour: white

Fineness:

+ 80 mesh:	0 %
mesh 100-140:	0-10 %
mesh 140-200:	10-40 %
mesh 200-325:	20-50 %
under mesh 325:	20-60 %

Chemical composition: 3Na x AlF₃ or Na₃AlF₆

Na₃AlF₆ min.	97,0 %
Fluoride (F) min.	52,5 %
Aluminium (Al) min.	12,5 %
Sodium (Na) max.	33,0 %

Packing:

- 25/50 kgs multiple paper bags with PE shrink wrapped on pallet
- 1000 kgs pp big bag with PE shrink wrapped on pallet

Danger rating: ADR/RID: 9.M7.III.

Area of applications:

- Melting point reducing additive in aluminium metallurgy, glass production
- Production of abrasive grinding products
- Other users: ceramics industry, enamel industry, production of welding electrode