

Solvay Chemicals Soda Solvay® Dense Soda Ash

Category : Fluid

Material Notes:

Soda Ash Dense is the grade preferred for glass manufacture because its granular properties make it dust-free and reduce the risks of segregation during transport and handling. Applications: Glass industry – Raw Material for melting; Chemical industry – Production of sodium derivatives; Detergents- Alkaline support; Metallurgical processes – Desulfurization of pig iron – Raw material for melting and Flue gas treatment – Removal of acidic components CAS Number: 497-19-8/EINECS: 207-838-8 Information provided by Solvay

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-Chemicals-Soda-Solvay-Dense-Soda-Ash.php

Physical Properties	Metric	English	Comments
Density	0.890 - 1.09 g/cc	0.0322 - 0.0394 lb/in ³	Free flowing, Specification
	1.00 g/cc	0.0361 lb/in ³	Free flowing, Typical
	2.533 g/cc	0.09151 lb/in ³	
Solubility in Water	21.4 %	21.4 %	
pH	11.26	11.26	1% in water
Molecular Weight	106 g/mol	106 g/mol	

Thermal Properties	Metric	English	Comments
Melting Point	851 °C	1560 °F	

Descriptive Properties	Value	Comments
Composition	<0.02%	Na ₂ SO ₄ , Specification
	<0.1%	NaCl, Specification
	<110 ppm	CaO, Specification
	<130 ppm	MgO, Specification
	<30 ppm	Fe ₂ O ₃ , Specification
	>99.2%	Na ₂ CO ₃ , Specification
	0.0001	Na ₂ SO ₄ , Typical
	0.03	NaCl, Typical
	0.58	Na ₂ O, Specification
	0.584	Na ₂ O, Typical

Descriptive Properties	Value	Comments
	3 ppm	Fe ₂ O ₃ , Typical
	50 ppm	CaO, Typical
	65 ppm	MgO, Typical
Granulometry	<3%	<0.075 mm, Specification
	<5%	>0.6 mm, Specification
	>85%	>0.15 mm, Specification
	0.01	<0.075 mm, Typical
	0.02	>0.6 mm, Typical
	0.93	>0.15 mm, Typical

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