

Technical Data

FMC Grade 260 Soda Ash

CAS No. 497-19-8

Chemical Name	Sodium Carbonate, anhydrous
CAS Name	Disodium carbonate
Formula	Na ₂ CO ₃
Molecular Weight	105.99

Physical Properties

	Typical	Specification
Bulk Density: lb/ft ³	65	60 - 70
g/cm ³	1.06	0.96 - 1.12
Particle density, g/cm ³	1.960	
Particle shape	Blocky	
Angle of repose, deg	40	
Screen analysis, cumulative wt %		
On US 30 (600 μm)	1.0	
US 40 (425 μm)	15	27 max
US 100 (150 μm)	85	
Thru US 200 (75 μm)	2	7 max

Chemical Properties

	Typical	Specification
Na ₂ O, wt %	58.4	58.0 min
Na ₂ CO ₃ , wt %	99.8	99.2 min
Na ₂ SO ₄ , wt %	0.05	0.20 max
NaCl, wt %	0.06	0.20 max
Fe ₂ O ₃ , ppm	4	20 max
Water insolubles, wt %	0.01	0.05 max
Ignition loss, wt %	0.1	
Heavy metals (as Pb), ppm	<10	10 max
As, ppm	0.1	3 max
Ca, ppm	60	
Mg, ppm	15	
SiO ₂ , ppm	100	

General Properties

Description	white granular solid
Melting point, °C (°F)	851 (1564)
Solubility, max % @ 35.4°C	33.2
pH, 1% solution @ 25°C	11.4

Standard Containers

Bulk hopper cars and trucks

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