



MANSIL-ZX[®] (F)

SYNTHETIC SODIUM ALUMINO SILICATE



DESCRIPTION

Fine Particle Amorphous Synthetic Sodium Alumino Silicate

F/QA/9.0/01

SPECIFICATIONS

Sr. No.	Physico- chemical Properties	Unit	Specification	Test method
1	Appearance	--	Fine White powder	Visual
2	Oil absorption (Linseed oil)	ml/100g	110 min	ISO787/5
3	Avg. Particle size (d50)	µm	7.0 max	By laser diffraction
4	Moisture content (at 105 °C)	%	6.0 Max	ISO787/2
5	pH (5% water suspension)	--	6.5 - 8.5	ISO 787/9
6	Ignition Loss at (105 -1000 deg C)	%	14.0 max	ISO 3262/11
7	BET Surface Area	M ² /g	55 - 95	ISO 5794-1/D
8	Tapped bulk density	g/l	250 ± 50	ISO 787 /11
9	Residue on 324# Sieve (Wet residue)	%	0.1 max	GMGB
10	SiO ₂ content on dry basis	%	80 min	ISO 3262/19
11	Fe ₂ O ₃	ppm	300 max	GMGB
12	Microbiological Analysis 1. T V C 2. Y & M	Cfu/g	<300 <100	GMGB

APPLICATIONS: Mansil ZX is widely used in Food Products as an Anti-caking Agent. It improves free flow characteristics and shelf life of the product. It also helps to prevent dry food powders from clumping, forming semi-solid or solid lumps. Processing of foods often includes mixing dry powders together. Anticaking agents absorb excess moisture and may also coat particles to make them water repellent. This reduces the formation of clumps or lumps by ensuring that all dry ingredients mix together uniformly. As a result, the free-flowing food products better survive packaging, transport and shelf life.

PACKING & LOGISTICS	GRADE	NET WEIGHT (KGS)	SHIPMENTS (MT)				
			TRUCK LOAD	CONTAINER LOAD			
				UN PALLETIZED	PALLETIZED		
			20'FCL	40' FCL	20'FCL	40' FCL	
	MANSIL ZX (F)	25.0	9 MTS	10 MTS	22.0 MTS	7.2 MTS	19.2 MTS



Block No. 395, Tejpur Road, At & Post - Martoli - 384430,
Ta. : Jotana, Dist : Mahesana.
Tel. No. +91-2762-225566, (M) 9687674740,
Fax No. : +91 2762 225544
E-mail : madhavind15@gmail.com

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