



DIATOMITE

青島百斯特硅藻土有限公司

Technical Data

DIATOMITE AX-700#

The sanitary Index o the diatomite products of food industry

Project	Type			
	Furnacing material	Flux furnacing material		
		AX-700#		
Physical			White	
	Power,silicon framework with special sperture structure			
Pervious rate(Darcy)		2.2-2.9		
Water-soluble material(%)		0.05		
Acid-soluble material%		2.0		
PH(10% water starch)		7.0-10.0		
Ignition loss%		1.0		
Mositure%		2.0		
Substatia density(g/ml)		2.1-2.3		
Humid density(g/ml)		0.36-0.42		
Sio2%		87.6		
Al2o3%		2.5		
Fe2o3%		1.5		
Others%		3.0		

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Project	Type				
	Flux filter	Flux coating	Furnacing filter	Furnacing coating	
	AX-700-				
Physical appearance	White				
	Powder, silicon framework with special sperture structure				
Pervious rate(Darcy)	2.2-above30.0				
Moisture%	0.8				
PH(10% Water starch)	7-10				
Lgnition lossg/ml	1.0				
Humid densityg/ml	0.38-0.42				
Substatia densityg/ml	2.1-2.3				
Average diameter of particle(um)	10-50				
Sio2%	87.6				
Fe2o3%	1.5				
Al2o3%	2.5				
Lead(calculated by pb)PPM					
Arsenic(calculated by As)PPM					
Others%	3.0				

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Typical Particle Size Distribution

Cumulative Weight % Finer Than Micron Size

Grade	1	1.5	2.0	3.0	4.0	6.0	8.0	12.0	16.0	24.0	32.0	46.0	64.0	90.0	128.0	186.0
AX-700#0	0	0	0	0	0	1	3	7	11	22	38	57	75	91	96	99

Typical Physical Properties

Grade	Color	Product Type	Permeability Darcys	Median Pore Size Microns	Dry (lbs/ft ³)	Wet (lb/ft ³)	150 Mesh% Retained	325 Mesh% Retained	%Moisture
AX-700	White	Flux calcined	2.9	13	12	19.5	10.0	N/A	0.1

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