

The sanitary index o the diatomite products of food industry

Project	Type				
	Furnacing material	Flux furnacing material			
	AX-100#	AX-700#	AX-800#	AX900-1000#	AX-3000#
Physical	Pallide-flavens-pink		White		
	Power,silicon framework with special sperture structure				
Pervious rate(Darcy)	0.08-0.36	2.2-2.9	2.9-4.9	5.0-10	10-30
Water-soluble material(%)	0.02	0.05			0.07
Acid-soluble material%	2.0				3.0
PH(10% water starch)	6.5-8	7.0-10.0			
Lgnition loss%	1.0				
Mositure%	2.0				
Substatia density(g/ml)	2.1-2.3				
Humid density(g/ml)	0.32-0.42	0.36-0.42	0.38-0.43	0.38-0.44	0.38-0.45
Sio2%	87.6				
Al2o3%	2.5				
Fe2o3%	1.5				
Others%	3.0				

Products Application Area

Food Industrial Products

AX-100# AX-700# AX-800# AX-900# AX-1000# AX-3000#

Main Application Area:

Beverage and Condiment

Beer,ratafee,alcohol,juice,beverage,purified water,yellow wine,vinegar,Soy,etc.

Medication and Sugar Manufacturing

Blood plasma,purification of Chie\nese traditional medicine,bacteriophage, Vitamin,levansucrase,fructose,dextrose,granulose, saccharose,etc

Petrochemicals

TL-100# 、 TL-600# 、 AX-700# 、 AX-800#、 AX-900#、 AX-1000#、 AX-3000#

Main Applocation Area:

Lube addictuve,oil,oil paint,irganic acid,inorganic acid,uric albumen,dirposal Of sullage,etc.

Filler products:

TL-1# , WX-2# , WX-3# , WX-4#

Main Application Area:

Pesticide,fertilizer,activator carrier,acentric cast
dope,moulage,sheet,csmetic,rubber accelerator,etc.

To the low the application that water supply handles

TL-600#

The Sanitary Index of the chemied products and other industrial products

Project	Type						
	Flux filter		Flux coating		Furnacing filter	Furnacing coating	
	TL-600#	AX-700-3000#	WX-3#	WX-4#	TL-100#	TL-1#	WX-2#
Physical apperance	White	White	White	Lividity white	Pallide-flavens-pink	Grey white	Pallide-flavens-pink
	Powder,silicon framework with special sperture structure						
Pervious rate(Darcy)	1.2-2.2	2.2-above30.0			0.1-0.38		
Moisture%	0.8				1.0		
PH(10%Water starch)	7-10	7-10	7-10		6.5-8.0		
Lgnition lossg/ml	1.0						
Humid densityg/ml	0,38-0.42	0.38-0.42	0.38-0.42	0.39-0.43	0.32-0.42	0.4-0.5	0.32-0.42
Substatia densityg/ml	2.1-2.3						
Average diameter of particle(um)	10-25	10-50	5-15	3-13	8-15	10-30	3-13
Sio2%	87.6		90.2		87.6	80	90.2
Fe2o3%	1.5					2.5	1.5
Al2o3%	2.5					4.8	2.5
Lead(calculated by pb)PPM			0.40			0.40	
Arsenic(calculated by As)PPM			0.50			0.50	
Others%	3.0						

Typical Physical Properties

Grade	Color	Product Type	Permeability Darcys	Median Pore Size Microns	Dry (lbs/ft3)	Wet (lb/ft3)	150 Mesh% Retained	325 Mesh% Retained	% Molstu
AX-60#	Pink/ Buff	Calcined	0.08	2.5	8.5	17.0	1.0	N/A	0.1
AX-80#	Pink/ Buff	Calcined	0.16	2.5	9.0	18.5	1.5	N/A	0.1
AX-100#	Pink/ Buff	Calcined	0.25	3.5	9.0	18.5	4.0	N/A	0.1
AX-150#	Pink white	Flux calcined	1.9	10	12	19.5	9.0	N/A	0.1
AX-700#	White	Flux calcined	2.9	13	12	19.5	10.0	N/A	0.1
AX-800#	White	Flux calcined	4	17	12	20.0	12	N/A	0.1
AX-1000#	White	Flux calcined	10-25	22	13	21.5	60	N/A	0.1
WX-2#	Pink/ Buff	Calcined	0.02	0.5	9.0	24	N/A	0.5	0.1
WX-3#	White	Flux calcined	1.1-1.3	7.0	10	19.5	N/A	0.8	0.1
WX-4#	White	Flux calcined	0.75	6	10	20	N/A	0.5	1.0

Typical Particle Size Distribution

Cumulative Weight % Finer Than Micron Size

Grade	1 μ	1.5 μ	2.0 μ	3.0 μ	4.0 μ	6.0 μ	8.0 μ	12.0 μ	16.0 μ	24.0 μ	32.0 μ	46.0 μ	64.0 μ	90.0 μ	128.0 μ	186.0 μ
AX-60#	0	0	0	2	4	11	19	32	43	60	72	86	93	98	99	100
AX-80#	0	0	0	1	3	10	17	29	40	57	70	86	92	97	99	100
AX-100#	0	0	0	1	3	9	16	29	39	56	70	84	92	97	99	100
AX-150#	0	0	0	0	1	3	6	13	21	39	53	72	84	94	98	99
AX-700#	0	0	0	0	0	1	3	7	11	22	38	57	75	91	96	99
AX-800#	0	0	0	0	0	0	1	3	7	19	24	52	57	84	93	98
AX-900#	0	0	0	0	0	0	1	2	6	18	22	50	55	83	90	96
AX-1000#	0	0	0	0	0	0	0	1	2	5	10	17	28	50	72	93

WX-2#	2	5	8	16	25	40	55	72	83	98	100					
WX-3#	1	2	3	10	25	40	55	72	80	93	97	99	100			
WX-4#	2	5	8	16	25	40	55	72	85	98	100					