

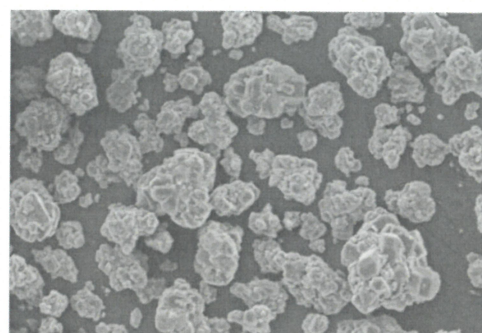
1. Aluminum Hydroxide

Sumitomo Aluminum Hydroxides product portfolio is quite wide to serve diverse industries. Our precipitation process in Bayer Process enables us to fine-tune particle sizes and impurity levels to serve various industries.

Generic Grade / Wet Type

Typical Properties		Product	C-12
Chemical Composition	H ₂ O	[%]	9
	Al(OH) ₃ *	[%]	99.8
	Fe ₂ O ₃ *	[%]	0.01
	SiO ₂ *	[%]	0.01
	Na ₂ O*	[%]	0.18
Loose Bulk Density		[g/cm ³]	1.1
Packed Bulk Density		[g/cm ³]	1.4
True Specific Gravity			2.42
D50(MT-3300, Laser Diffraction)		[μm]	50
+75μm		[%]	5
Packing	Bulk	Truck, Vessel	
	Big Bag	1,000kg	
	Paper Bag	25kg	

C-12 : Extremely low impurity concentration and small particle size. Excellent reactivity.

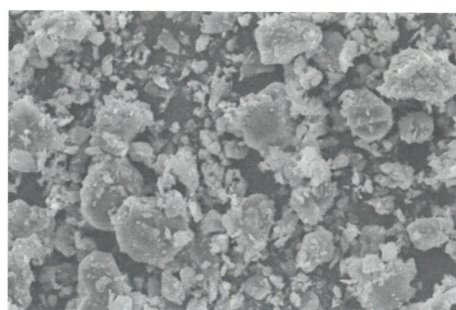


C-12

50μm

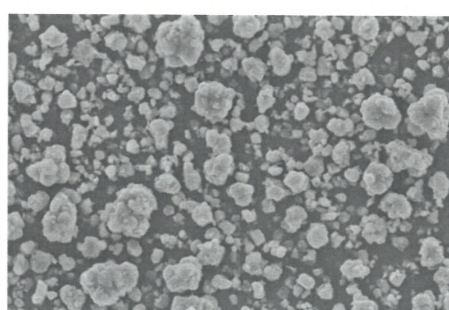
Fine Grade / Ground, Low-Soda, Very Fine

Typical Properties		Product		Ground				Low Soda		Very Fine	
				C-3250	CM-3080	C-305	CM-450	CL-303	CL-310	C-302A	C-301N
Chemical Composition	H ₂ O	[%]		0.2	0.4	0.07	0.3	0.07	0.04	0.12	0.2
	Al(OH) ₃ *	[%]		99.7	99.7	99.8	99.7	99.9	99.9	99.7	99.8
	Fe ₂ O ₃ *	[%]		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	SiO ₂ *	[%]		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	Na ₂ O*	[%]		0.2	0.3	0.17	0.3	0.04	0.07	0.15	0.22
D50(MT-3300, Laser Diffraction)		[μm]		35	11	5.5	13	4	12	2.4	1.5
+75μm		[%]		0.4	0.4	-	0.2	-	0.02	-	-
+45μm		[%]		-	2	<0.1	3	<0.1	0.3	<0.1	<0.1
Loose Bulk Density		[g/cm ³]		0.9	0.6	0.5	0.8	0.6	0.7	0.4	0.3
Packed Bulk Density		[g/cm ³]		1.4	1.2	1.2	1.3	1.2	1.3	0.9	0.6
DOP Oil Absorption		[ml/100g]		28	33	32	32	37	33	44	56
Whiteness		[%]		97	98	95	97	-	92	96	96
Specific Surface Area		[m ² /g]		<1	6	-	4	2	1.1	3	5
Electric Conductivity***		[μS/cm]		-	-	-	-	20	18	100	-
True Specific Gravity				2.42							
Refractive Index				1.57							
Hardness		[Mohs]		3							
Packing	Big Bag			500kg, 1,000kg							
	Paper Bag			25kg							



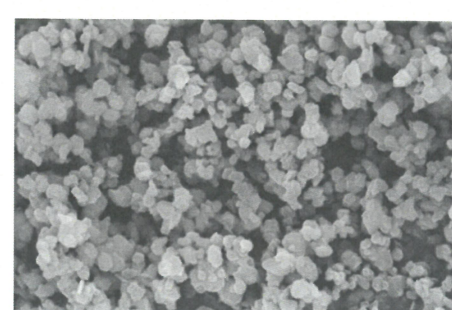
CM-3080

40μm



C-305

200μm



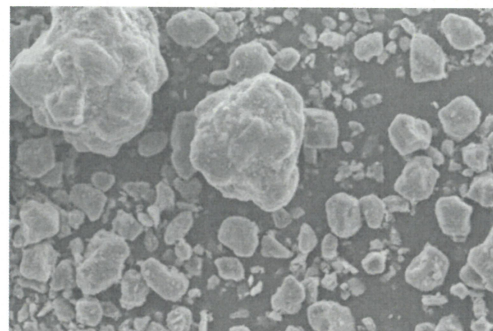
C-301N

4μm

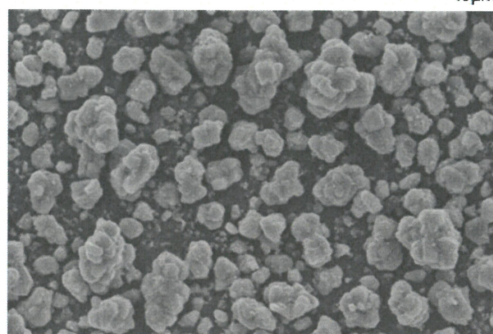
Fine Grade / High Whiteness

Typical Properties			Product	CW-350	CW-325LV	CW-308
Chemical Composition	H2O	[%]		0.03	0.04	0.06
	Al(OH)3*	[%]		99.9	99.9	99.8
	Fe2O3*	[%]		0.01	0.01	0.01
	SiO2*	[%]		0.01	0.01	0.01
	Na2O*	[%]		0.06	0.07	0.17
D50(MT-3300, Laser Diffraction)			[μm]	43	20	10
+45μm			[%]	-	-	<0.1
Loose Bulk Density			[g/cm3]	1.0	1.0	0.6
Packed Bulk Density			[g/cm3]	1.4	1.4	1.3
DOP Oil Absorption			[ml/100g]	30	26	32
True Specific Gravity				2.42		
Refractive Index				1.57		
Hardness			[Mohs]	3		
Packing	Big Bag			500kg, 1,000kg		
	Paper Bag			25kg		

Impart tone and transparency to artificial marbles / plastics when added as a filler.



CW-325LV



CW-308

Fine Grade / High Whiteness (Surface Treated)

Typical Properties			Product	CW-350B	CWL-325J	CW-308B
Chemical Composition	H2O	[%]		0.03	0.05	0.05
	Al(OH)3*	[%]		99.9	99.7	99.7
	Fe2O3*	[%]		0.01	0.01	0.01
	SiO2*	[%]		0.04	0.15	0.12
	Na2O*	[%]		0.05	0.07	0.15
D50(MT-3300, Laser Diffraction)			[μm]	51	20	10
DOP Oil Absorption			[ml/100g]	36	23	26
True Specific Gravity				2.42		
Refractive Index				1.57		
Hardness			[Mohs]	3		
Packing	Big Bag			500kg, 1,000kg		
	Paper Bag			25kg		

