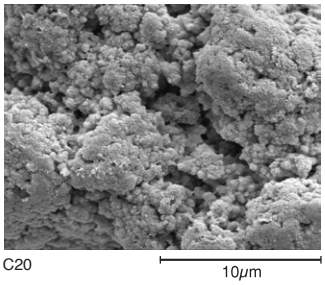
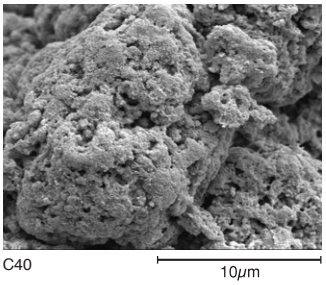
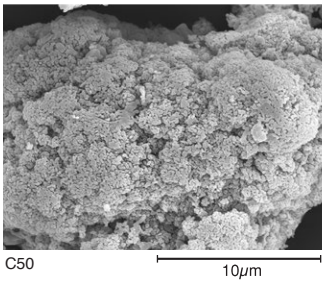
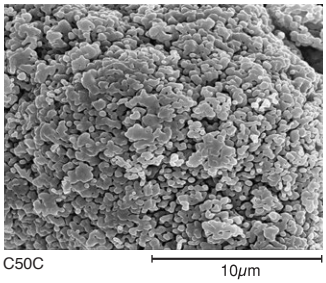
Transition Alumina

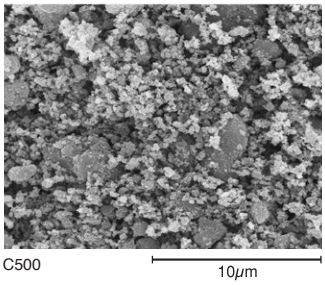
γ(gamma)-alumina C20 and θ(theta)-alumina C40 having very high surface areas and controlled pore structure are used as catalyst carriers and adsorbents. α(alpha)-alumina C50, C50C, C500 and C500A having sharp particle size distributions are mainly used for abrasives and fillers.

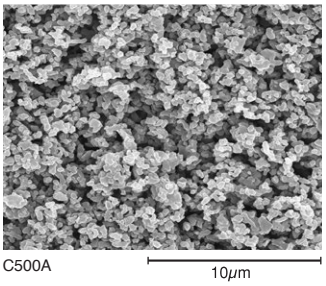












Typical Properties

Grade	C20	C40	C50	C50C	C500	C500A
H_2O+LOI(%)	7	2	0.2	—	1	—
Na_2O(%)	0.02	0.01	0.01	0.01	0.01	0.01
SiO_2(%)	0.03	0.03	0.03	0.02	0.03	0.03
Fe_2O_3(%)	0.01	0.01	0.01	0.02	0.02	0.02
Ave. Particle Size(μm)	15～25	15～25	15～25	15～25	1～4	0.5~2.0
BET Specific Surface Area(m^2/g)	200	110	6	2～5	20～40	4~7
Ave. Pore Size(nm)	8.5	18	13	—	—	—
Pore Capacity(cm^3/g)	0.7	0.7	0.6	—	—	—
Crystal Phase	γ-alumina	θ-alumina	α-alumina	α-alumina	α-alumina	α-alumina

Applications

(1) Catalyst carriers for automobile
(2) Refining/Petrochemical catalyst
(3) Chemical catalyst
(4) Polisher
(5) Adsorbent

Packing

Flexible container bag
Paper bag