

### AL<sub>2</sub>Chem Precipitated Silicas - Typical Physical Properties

AL <sub>2</sub> Chem Grade	AL PS-33	AL PS-35	AL PS-35G	AL PS-40	AL PS-60	AL PS-70	AL PS-386
Whiteness	95	98	98	98	98	98	98
SiO <sub>2</sub> content (dry) %	≥94	≥96	≥96	≥99	≥98	≥99	≥99
pH value	6.5-7.5	6.5-7.5	6.5-7.5	6.5-7.5	6.5-7.5	6.5-7.5	6.5-7.5
BET Surface Area (m <sup>2</sup> /g)	140-160	160-180	160-180	220-240	280-300	260-280	260-280
DBP Absorption (cm <sup>3</sup> /g)	210-230	240-300	240-300	280-300	260-280	300-320	280-300
Average Particle Size (µm)	25	45	175	5-6	10-15	4-5	5
Heating Loss(105°C for 2hr)	5.0-6.0	5.0-6.0	5.0-6.0	2.0-3.0	5.0-6.0	2.0-3.0	2.0-3.0
Ignition Loss (1000°C for 2hr)	5.0-8.0	5.0-8.0	5.0-8.0	3.0-4.0	5.0-8.0	3.0-4.0	3.0-4.0
Soluble Salts (Na <sub>2</sub> SO <sub>4</sub> ) %	≤0.4	≤0.4	≤0.4	≤0.02	≤0.4	≤0.4	≤0.4
Surface Treatment	-	-	-	-	-	-	Polysiloxane

Note: AL<sub>2</sub>Chem LLC makes no expressed warranty of performance based on this data; it is provided as a reference.