

AL₂Chem Silica Flattening Agents - Typical Physical Properties

AL ₂ Chem Grade	AL FA-101	AL FA-101T	AL FA-102	AL FA-102T	AL FA-103	AL FA-103T	AL PS-70
Whiteness	95	98	98	98	98	98	98
SiO₂ 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 (m²/g)	140-160	160-180	160-180	220-240	280-300	260-280	260-280
DBP Absorption (cm³/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
Surface Treatment	None	Wax	None	Wax	None	Wax	None
Type	Silica Gel	Silica Gel	Silica Gel	Silica Gel	Silica Gel	Silica Gel	Precipitated

Note: AL₂Chem LLC makes no expressed warranty of performance based on this data; it is provided as a reference.