

KONASIL® GRADES

Typical Properties	Unit	Hydrophilic					Hydrophobic				
		K-90 K-90D	K-150 K-150D	K-200 K-200D	K-300 K-300D	K-400	K-D15	K-P15	K-P20	K-T20	K-T30
Specific Surface Area (B.E.T.)	m ² /g	90 ± 15	150 ± 20	200 ± 25	300 ± 30	400 ± 40	130 ± 20	100 ± 20	120 ± 20	170 ± 30	230 ± 30
pH value ^{*1}		3.7-4.7	3.7-4.7	3.7-4.7	3.7-4.7	3.7-4.7	3.6-6.0	4.0-7.0	4.0-7.0	3.7-6.0	3.7-6.0
Drying Loss ^{*2}	wt.%	≤ 1.0	≤ 1.0	≤ 1.5	≤ 1.5	≤ 1.5	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5
Tap Density Standard Densified	g/L	50 100	50 100	50 100	50 100	50 100	50	50	50	50	50
Sieve Residue ^{*3}	wt.%	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Surface Treatment ^{*4}							DDS	PDMS	PDMS	D4	D4
Carbon Content							0.8-1.5	4.0-7.0	4.0-7.0	1.0-2.0	1.5-3.0

^{*1} 4 wt.% slurry in water or 4 wt.% slurry in Methanol mixture (CH₃OH:H₂O=1:1) for Hydrophobic Fumed Silica

^{*2} Measurement when packing at plant (Condition: 2 hours at 105°C)

^{*3} 325 Mesh residue Max % (44 micron)

^{*4} Dichloro-Dimethyl Silane (DDS), Poly DiMethyl Silane (PDMS), Octamethyl-Cyclotetrasiloxane (D4)