

Tokusil Specification for Tire Application

I. Chemical Composition (Typical)	Tokusil 315G	Tokusil 233G	Tokusil 255G	Tokusil 195G	Tokusil 200G	Tokusil 315EG	Tokusil 255EG
	Conventional	Conventional	Conventional	Easy Disperse Silica	Easy Disperse Silica	Highly Disperse Silica	Highly Disperse Silica
SiO ₂ (Dry Basis) %	91.0 Min.	93.0 Min.	93.0 Min.	93.0 Min.	93.0 Min.	91.0 Min.	93.0 min.
Al ₂ O ₃ & Fe ₂ O ₃ %	0.75Max.	1.0 Max.	1.0 Max.	1.0 Max.	1.0 Max.	1.0 Max.	---
Salt as Na ₂ SO ₄ %	2.0 max.	2.0 Max.	2.0 Max.	2.0 Max.	2.0 Max.	2.0 max.	1.0 Max.
II. Physical Data							
Moisture % (2hrs at 105°C)	4.0 ~ 7.0	8.0 Max.	8.0 Max.	8.0 Max.	8.0 Max.	4.0 ~ 7.0	4.0 ~ 7.0
Ignition Loss (Dry basis) 1hr at 1000°C	---	4.0 ~ 6.0	4.0 ~ 6.0	---	---	---	3.0 ~ 5.0
Ignition Loss (1hr at 1000°C)	---	8.5 ~ 10.5	---	14.0 Max.	14.0 Max.	---	---
pH (5% Suspension)	6.5 ~7.3	6.5 ~ 7.3	6.0 ~ 6.8	6.0 ~ 7.0	5.4 ~ 7.0	6.0 ~ 7.0	5.8 ~ 7.2
Surface Area , BET Single point m ² /g	---	150	---	---	---	---	---
Surface Area , BET Multi point m ² /g	125	---	175	195	215	115	170
CTAB Surface Area m ² /g	---	---	167	160	155	110	170
Tapped Density (kg/m ³)	305 ~ 335	285 ~ 335	285 ~335	280 ~ 360	280 ~ 360	270 ~ 330	260 ~ 340

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