



Aktisil PF 216

SPECIFICATION

Brightness Y	DIN 53 163		78.5 - 84.0
+ 200 micron residue	DIN ISO 787 #18	≤	20 mg/kg
+ 40 micron residue		≤	100 mg/kg
Volatile matter at 105°C	DIN ISO 787 #2	≤	0.8 %
Water content – Karl Fischer		≤	0.6 %
Concentration of additive			2.0 %
Water absorption – Baumann		≤	0.1 %

TYPICAL PROPERTIES

Particle size d ₅₀		≤	2.4 um
distribution d ₉₇		≤	10.5 um
Specific gravity	DIN ISO 787 #10		2.6
Compacted bulk density	DIN ISO 787 #11		0.40 g/cm ³
Bulk density	DIN 53 466		0.25 g/cm ³
Surface area	DIN 66 131/66 132		11 m ² /g
Oil absorption	DIN ISO 787 #5		55 g/100g
Abrasion	Einlehner		25 mg
Refractive index			1.55
Water solubility	DIN ISO 787 #3		Insoluble
Acid solubility	DIN 53 770/0.1N,HCl	<	0.7 %

CHEMICAL ANALYSIS

Silica	SiO ₂		82 %
Alumina	Al ₂ O ₃		12 %
Ferric Oxide	Fe ₂ O ₃	<	1 %
Phosphorus	P		60 ppm
Sulphur	S		35 ppm

MINERALOGICAL ANALYSIS

Quartz		68 %
Kaolinite		25 %
Other minerals		7 %

The data given on this sheet is based on test results believed to be representative of the product and should not be interpreted as a binding specification.

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