



Aktisil MM

SPECIFICATION

Brightness Y	DIN 53 163		79.0 - 83.0
+ 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	≤	1.1 %
Water content – Karl Fischer		≤	0.6 %
Concentration of additive			0.7 %

TYPICAL PROPERTIES

Particle size d_{50}		≤	2.4 μm
distribution d_{97}		≤	10.5 μm
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 $\text{g}/100\text{g}$
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_2O_3		12 %
Ferric Oxide	Fe_2O_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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