FEATURES AND BENEFITS

J-96 Silica Flours are produced by iron-free grinding and accurate sieving by use of air-separators.

A selected silica sand with a SiO_2 content of over 99 % is used as raw material. The purity, controlled particle size distribution, chemical inertness, optical properties and hardness make

J-96 Silica Flours the performance standard for filler applications.

CHEMICAL ANALYSIS

Mean values. These do not represent a specification.

	Weight%	Method
SiO_2	99.4	XRF
Al_2O_3	0.095	
Fe_2O_3	0.02	
CaO	0.01	
MgO	0.05	
K_2O	0.03	
Na_2O	-	
L.O.I	0.2	

PARTICLE SIZE ANALYSIS AND PHYSICAL PROPERTIES

Mean values. These do not represent a specification.

	J-96-10	J-96-20	J-96-38	J-96-45	J-96-63	J-96-150		Method
Control-sieve Particle Size								Wet sieved
D_{50}	4	5	6.5	8.5	15	45	µm	
D_{90}	9.5	11.3	13	20	38	63	µm	
D_{97}	15	20	38	45	63	150	µm	
Density	2.65	2.65	2.65	2.65	2.65	2.65	g/cm^3	pycnometer
Oil absorption	26	25	23	23	22	18	g/100g	ISO 787/5
Hardness	7	7	7	7	7	7		
Loss on ignition	0.3	0.3	0.3	0.3	0.3	0.3	%	1100°c,1hour
PH	7	7	7	7	7	7		
Color	94.3	94.3	94.3	94.3	94.3	94.3	L*	Minolta CM-3610d D65/10°
	-0.11	-0.11	-0.11	-0.11	-0.11	-0.11	b*	
	2	2	2	2	2	2	a*	
Refractive index	1.55	1.55	1.55	1.55	1.55	1.55		

Product Name: Silica96 (0-0.18) mm

XRF Analysis

OXIDE	% ≈
SiO_2	99.4
Al_2O_3	0.095
CaO	0.01
Fe_2O_3	0.02
MgO	0.05
Na_2O	-
K_2O	0.09
L.O.I	0.2