

# Ranco-Sil™ fused silica Specifications

## TYPICAL Chemical Analysis

	GRAINS		FLOURS	
	Min.	Max.	Min.	Max.
%SiO <sub>2</sub>	99.7		99.7	
Al <sub>2</sub> O <sub>3</sub>	—	1000 ppm	—	3000* ppm
Fe <sub>2</sub> O <sub>3</sub>	—	300 ppm	—	350 ppm
CaO	—	50 ppm	—	50 ppm
MgO	—	50 ppm	—	50 ppm
Na <sub>2</sub> O	—	50 ppm	—	50 ppm
K <sub>2</sub> O	—	50 ppm	—	50 ppm

\*The finer the powders, the higher the Alumina levels due to the use of high density alumina grinding media.

## GRAIN PARTICLE SIZE SPECIFICATIONS

USS SIEVE	10 (2.0 mm)	20 (850 mic)	30 (600 mic)	40 (425 mic)	50 (300 mic)	80 (180 mic)	100 (150mic)	140 (106 mic)	200 (75 mic)	325 (45 mic)	PAN	Magnetics Max ppm
Grade												
C (-10+20)	0-1	80-95	2-16	--	0-4	--	--	--	--	--	0-2	25
B (-30+50)	--	0-1	25-35	34-48	16-32	0-8	--	--	--	--	0-0.5	25
A (-50+100)	--	--	--	0.0.5	3-12	--	72.87	5-16	0-3	--	0-1.5	25

## FLOUR PARTICLE SIZE SPECIFICATIONS

		#1(-325)	#2(-120)	#4(-200)	#140(-140)	#270(-270)
Sieves	30	SPECS -0-	SPECS -0-	SPECS -0-	SPECS -0-	SPECS -0-
	50		0-0.5			
	60				0-1	
	80			0-0.5	0-4	0-0.5
	100			4-12	0-6	0-0.5
	140			7-13	0-4	0-2
	200			10-15	3-9	1-5
325		0-2	14-20	13-20	17-26	8-17
Pan		98-100	45-55	69-81	52-59	80-86
Microtrac	10%	SPECS 2.0-2.7	SPECS 4.7-6.3	SPECS 3.2-3.9	TYPICALS 4.5-5.5	SPECS 2.2-2.7
	50%	7.6-14.0	43-55	23.4-30.2	36-48	12-17
	90%	27.5-40.3	140-200	75-95	125-185	55-75
	Mv	12.2-17.0	62-83	33.1-39.5	52-78	report



**R&R**

**DENSPLY**

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