

# SILICA FUME-REGULAR

# PRODUCT DATA

TYPICAL PROPERTIES	
Tested Property	Typical
Bulk Density	164g/L
State	Amorphous

**PACKAGING:** The standard packaging of SILICA FUME—REGULAR is 20 kg bags.

PHYSICAL PROPERTIES	Specifications		Average of
	CSA A3001-13	ASTM C1240-15	analysis—2015
Accelerated Pozzolanic Strength Activity Index, 7 days*	>105%	>105%	146%
Autoclave Expansion*	<0.2%	-	-0.04%
BET Specific Surface*	-	>15m <sup>2</sup> /g	22m <sup>2</sup> /g
Density*	-	-	2.39g/cm <sup>3</sup>
Fineness, retained on 45-µm (325 sieve)	<10%	<10%	3.8%
Particle size (median)*	7µm		

CHEMICAL PROPERTIES	Specifications		Average of
	CSA A3001-13	ASTM C1240-15	analysis—2016
Al <sub>2</sub> O <sub>3</sub>	-	-	0.3%
CaO	-	-	0.8%
Fe <sub>2</sub> O <sub>3</sub>	-	-	0.1%
K <sub>2</sub> O	-	-	0.5%
MgO	-	-	0.3%
Na <sub>2</sub> O	-	-	0.2%
SiO <sub>2</sub>	>85%	>85%	94.3%
SO <sub>3</sub>	<1.0%	-	0.2%
Available alkalis (eq. Na <sub>2</sub> O)	-	-	0.3%
Carbon free	-	-	2.0%
Chloride	-	-	0.1%
LOI	<10%	<6%	2.4%
Moisture	<3.0%	<3.0%	0.5%

\* Testing performed by subcontracted laboratory

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