

SILICA FUME-DENSIFIED

PRODUCT DATA

TYPICAL PROPERTIES	
Tested Property	Typical
Bulk Density	700-740g/L
State	Amorphous
Particle size (Median)	80µm
<0.10µm	0.0%
1µm	2.9%
10µm	4.1%
38µm	27.0%
100µm	64.4%
>100µm	35.6%

PACKAGING: SILICA FUME-DENSIFIED can be shipped in bulk form by tanker trucks, railcars or FIBC.

PHYSICAL PROPERTIES*	Specifications		Average of analysis—2015
	CSA A3001-13	ASTM C1240-15	
Accelerated Pozzolanic Strength Activity Index, 7 days**	>105%	>105%	146%
Autoclave Expansion**	<0.2%	-	-0.04%
BET Specific Surface**	-	>15m ² /g	22m ² /g
Density**	-	-	2.39g/cm ³

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

* Testing performed on regular silica fume

** Testing performed by subcontracted laboratory

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