



Product Data and Composition

AS3582.2 Type GGBFS – ATIC # 181

Product Name: **GGBFS – Ground Granulated Blast Furnace Slag.**

Product Composition:

Chemical Component	%	CAS Number
Ground Granulated Blast Furnace Slag	>95	65997-69-2
Hexavalent Chromium Cr (VI)	>1%	1333-82-0
Crystalline Silica (Quartz)	<1%	14808-60-7

Physical Properties:

Parameter	Units	Minimum	Typical	Maximum	AS3582.2 Limit	Test Method
Relative Water Requirement	%	99	100	100		AS3583.6
Relative Strength						
7 day (accelerated)	%	92	100	106		AS3583.6
28 day (standard)	%	88	94	104		AS3583.6
Fineness Index	m ² /kg	385	457	490		AS2350.8
Fineness	%	1	2.65	4.2		AS3583.1
Insoluble Residue	%	.2	.3	.3	<2.0	AS3583.14

Chemical Properties:

Parameter	Units	Minimum	Typical	Maximum	AS3582.2 Limit	Test Method
<u>S</u>	%	.4	.58	.9	<1.5	AS3583.7
<u>Al₂O₃</u>	%	13.6	15	17.5	<18.0	AS3853.10
<u>MnO</u>	%	.2	.27	.3	<2.0	AS3583.11
<u>Cl</u>	%	.006	.18	.3		AS3583.13
<u>MgO</u>	%	8.1	8.8	9.3	<15.0	AS3583.9
<u>SO₃</u>	%	2	2.2	2.5	<3.5	AS3583.8
<u>FeO</u>	%	.22	.33	.5	<1.5	AS3583.10
<u>LOI</u>	%	-1	-.66	-.3	<3.0	AS3583.3
<u>Alkali</u>	%	.1	.23	.5		AS3583.12

*Calculated Minimum and Maximum values are indicative of historical product data. Ongoing individual sample results may fall outside of the indicative results stated above.