



## DESCRIPTION

Lauscha Fiber International produces glass pellets as a raw material for many industrial applications. Glass pellets are small, solid, pillow-shaped pieces of glass with specific chemistries that are used as a semi-finished input for further processing. Raw materials are selected based on purity and composition, and carefully batched to give homogeneous glass of the intended composition. Gas heated furnaces transform the prepared batch materials into glass from which pellets are mechanically formed.

## GENERAL CHARACTERISTICS

Lauscha's Glass Pellets have the following characteristics:

- Solid, transparent, pillow-shaped pellets
- Dimensions: 20 x 20 x 7 mm (+/- 2mm)
- Standard glass chemistries: A, B, C & CHB
- Customer specific glass chemistries available upon request
- Consistent chemical and physical properties
- Low melt temperature compositions to reduce energy consumption

## TYPICAL APPLICATIONS

- Sliver and roving materials
- High loft glass filter mat
- HVAC furnace filters
- Raw material input for flame attenuation glass microfiber

Any new and/or special use of these products, whether or not in an application listed in our literature, must be submitted to our technical department for their prior written approval.

## Contact Us

### Lauscha Fiber International

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## TYPICAL GLASS PROPERTIES

	Glass Composition			
	A	B	C	CHB
Transformation Temperature (°C)	540	535	530	530
Littleton Temperature (°C)	725	680	675	665
Viscosity Fix Point at 10 <sup>4</sup> dPas (°C)	1050	938	935	892
Viscosity Fix Point at 10 <sup>3</sup> dPas (°C)	1240	1070	1068	1015
Viscosity Fix Point at 10 <sup>2</sup> dPas (°C)	1480	1280	1290	1210
Density (g/cm <sup>3</sup> )	2.48 +/- 0.02	2.59 +/- 0.02	2.49 +/- 0.02	2.53 +/- 0.02
Approximate Size (mm)	20mm x 20mm	20mm x 20mm	20mm x 20mm	20mm x 20mm
Thickness (mm)	8.0 mm +/- 1.5mm	8.0 mm +/- 1.5mm	8.0 mm +/- 1.5mm	8.0 mm +/- 1.5mm
Water Resistance Classification	3	2	3	3

## TYPICAL CHEMICAL ANALYSIS (WT%)

	Glass Composition			
	A	B	C	CHB
SiO <sub>2</sub>	68.0 - 71.0	55.0 - 60.0	63.0 - 67.0	60.0 - 62.2
Al <sub>2</sub> O <sub>3</sub>	2.5 - 4.0	4.0 - 7.0	3.0 - 5.0	3.7 - 4.5
B <sub>2</sub> O <sub>3</sub>	<0.09	8.0 - 11.0	4.0 - 7.0	5.7 - 7.1
Na <sub>2</sub> O	10.5 - 12.0	9.5 - 13.5	14.0 - 17.0	14.1 - 15.7
K <sub>2</sub> O	4.5 - 6.0	1.8 - 4.0	< 2.0	1.5 - 2.5
CaO	5.0 - 7.0	1.5 - 5.0	4.0 - 7.0	7.0 - 8.0
MgO	2.0 - 4.0	< 2.0	2.0 - 4.0	2.8 - 3.4
Fe <sub>2</sub> O <sub>3</sub>	<0.20	<0.20	<0.20	<0.20
ZnO	< 2.0	2.0 - 5.0	<0.10	<0.40
BaO	-	3.0 - 6.0	<0.10	<0.40
F <sub>2</sub>	-	< 1.0	< 1.0	<0.50
SO <sub>3</sub>	-	-	-	<0.30

## AVAILABILITY

Glass pellets are packaged in bulk super sacks. Contact Lauscha Fiber International for specific packaging details.

## HANDLING INFORMATION

A Safety Data Sheet has been issued describing the health, safety and environmental properties of this product, identifying the potential hazards and giving advice on handling precautions and emergency procedures. This must be consulted and fully understood before handling, storage or use.