



DESCRIPTION

Designed as a stabilizing additive; our chopped glass microfibers provide unique properties as a reinforcing agent or filler material in rubbers, plastics, paints, adhesives, ceramics and specialty papers. Using a secondary chopping process glass microfibers are cut to shorten the fiber length in order to improve incorporation in compounding processes; while retaining the fibers' inorganic, noncombustible and high surface area properties.

GENERAL CHARACTERISTICS

Lauscha's Glass Microfibers have the following outstanding characteristics:

- High specific surface area (SSA)
- Inorganic, inert and noncombustible filler material
- Multiple glass chemistries: B, C & E-glass
- Easy acceptance of surface treatments and coupling agents
- Product grades with average fiber diameters from 0.25 μ m – 5.0 μ m
- Fine chopped for improved processing

TYPICAL APPLICATIONS

- Advanced composites
- Reinforcement agent for rubber compounds
- Adhesives
- Fiber Reinforced Plastics (FRP)
- Friction materials
- Paints and industrial coatings

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

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B-GLASS MICROFIBRES

Grade	Glass Chemistry	Nominal Fiber Diameter (microns)	Nominal SSA (m ² /g)	Fiberization Technology	Fiber Coating	Chop Length
B-X9-Fa	B	0.26 µm	6.20	Flame Attenuated	None	Fine
B-00-Fa	B	0.33 µm	4.80	Flame Attenuated	None	Fine
B-02-F	B	0.46 µm	3.50	Flame Attenuated	None	Fine
B-04-F	B	0.53 µm	3.00	Flame Attenuated	None	Fine
B-06-F	B	0.65 µm	2.47	Flame Attenuated	None	Fine
B-08-F	B	0.80 µm	2.00	Flame Attenuated	None	Fine
B-10-F	B	1.00 µm	1.60	Flame Attenuated	None	Fine
B-15-F	B	1.48 µm	1.08	Flame Attenuated	None	Fine
B-26-R	B	2.44 µm	0.66	Rotary	None	Fine
B-39-R	B	3.20 µm	0.50	Rotary	None	Fine
B-50-R	B	4.10 µm	0.42	Rotary	None	Fine
B-56-R	B	5.00 µm	0.35	Rotary	None	Fine

C-GLASS MICROFIBRES

Grade	Glass Chemistry	Nominal Fiber Diameter (microns)	Nominal SSA (m ² /g)	Fiberization Technology	Fiber Coating	Chop Length
C-04-F	C	0.53 µm	3.00	Flame Attenuated	None	Fine
C-06-F	C	0.65 µm	2.47	Flame Attenuated	None	Fine
C-08-F	C	0.80 µm	2.00	Flame Attenuated	None	Fine
C-10-F	C	1.00 µm	1.60	Flame Attenuated	None	Fine
C-15-F	C	1.48 µm	1.08	Flame Attenuated	None	Fine
C-18-R	C	1.80 µm	0.89	Rotary	None	Fine
C-26-R	C	2.44 µm	0.66	Rotary	None	Fine
C-39-R	C	3.20 µm	0.50	Rotary	None	Fine
C-50-R	C	4.10 µm	0.42	Rotary	None	Fine

E-GLASS MICROFIBRES

Grade	Glass Chemistry	Nominal Fiber Diameter (microns)	Nominal SSA (m ² /g)	Fiberization Technology	Fiber Coating	Chop Length
E-04-Fa	E	0.56 µm	2.88	Flame Attenuated	None	Fine
E-06-F	E	0.65 µm	2.47	Flame Attenuated	None	Fine
E-08-F	E	0.80 µm	2.00	Flame Attenuated	None	Fine

TYPICAL CHEMICAL ANALYSIS

	Glass Composition		
	B	C	E
SiO ₂	55.0 - 60.0	63.0 - 67.0	50.0 - 56.0
Al ₂ O ₃	4.0 - 7.0	3.0 - 5.0	13.0 - 16.0
B ₂ O ₃	8.0 - 11.0	4.0 - 7.0	5.8 - 10.0
Na ₂ O	9.5 - 13.5	14.0 - 17.0	<0.50
K ₂ O	1.8 - 4.0	< 2.0	<0.40
CaO	2.8 - 5.0	4.0 - 7.0	15.0 - 24.0
MgO	< 2.0	2.0 - 4.0	< 5.5
Fe ₂ O ₃	<0.20	<0.20	<0.50
ZnO	2.0 - 5.0	<0.10	<0.02
BaO	3.0 - 6.0	<0.10	<0.03
F ₂	< 1.0	< 1.0	< 1.0
TiO ₂	-	-	< 1.0

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.