

## Esstech V-115-1104 Aluminosilicate Glass-Ceramic

Category : Ceramic , Glass , Glass Ceramic , Oxide , Silicon Oxide

### Material Notes:

The refractive index of aluminosilicate glass filler matches that of bisGMA and is very close to our X-970-0000. It has a negative coefficient of thermal expansion, which means it contracts slightly upon heating. This glass contains no barium and therefore has no x-ray opacity making it ideal to blend with our other glass fillers. CAS # 65997-17-3. Information provided by ESSTECH, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Esstech-V-115-1104-Aluminosilicate-Glass-Ceramic.php](http://www.lookpolymers.com/polymer_Esstech-V-115-1104-Aluminosilicate-Glass-Ceramic.php)

Physical Properties	Metric	English	Comments
Density	2.50 g/cc	0.0903 lb/in <sup>3</sup>	
Particle Size	10.4 µm	10.4 µm	median

Thermal Properties	Metric	English	Comments
CTE, linear	-2.30 µm/m-°C	-1.28 µin/in-°F	

Optical Properties	Metric	English	Comments
Refractive Index	1.54	1.54	

Component Elements Properties	Metric	English	Comments
Al <sub>2</sub> O <sub>3</sub>	20 %	20 %	
SiO <sub>2</sub>	71 %	71 %	

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