

## Esstech V-117-1190 Barium Borosilicate Glass

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

### Material Notes:

Barium Borosilicate glass filler or BBAS has been traditionally used in the classic dental composite systems involving bisGMA and triethyleneglycol dimethacrylate. It is available in a variety of particle sizes. CAS # 65997-17-3. Information provided by ESSTECH, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Esstech-V-117-1190-Barium-Borosilicate-Glass.php](http://www.lookpolymers.com/polymer_Esstech-V-117-1190-Barium-Borosilicate-Glass.php)

Physical Properties	Metric	English	Comments
Density	3.049 g/cc	0.1102 lb/in <sup>3</sup>	
Particle Size	19 µm	19 µm	median

Thermal Properties	Metric	English	Comments
CTE, linear	5.625 µm/m-°C	3.125 µin/in-°F	

Optical Properties	Metric	English	Comments
Refractive Index	1.553	1.553	

Component Elements Properties	Metric	English	Comments
B2O3	9.0 %	9.0 %	
BaO	33 %	33 %	
SiO2	50 %	50 %	

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