



**Product Name:** Construction Perlite

**Product Code:** G1F

### Physical Properties

<b>Color</b>	White	
<b>Refractive Index</b>	1.5	
<b>Free Moisture, Max.</b>	0.5%	
<b>pH</b>	6.5 - 7.5	
<b>Specific Gravity</b>	0.32	
<b>Bulk Density</b>	55 - 65 kg/m <sup>3</sup>	
<b>Fusion Point</b>	1260 - 1343°C	
<b>Specific Heat</b>	837 J/kg.k	
<b>Thermal Conductivity</b> **	Low temperature applications at mean temperature – 40°C	0.035 - 0.039 W/m.k
	Non-evacuated cryogenic applications (at mean temperature - 126°C)	0.025 - 0.029 W/m.k
<b>Grain Size analysis</b>	3 - 5% ≥ 1.18 mm	

\*\* Thermal conductivity varies with temperature, density, pressure, and conductivity of the gas which fills the annulus or insulation space.

**\*Application :-**

- For non-evacuated cryogenic and low temperature service.

**\*Packing :-**

- 0.1 m<sup>3</sup> (100 Liter) Plastic Bag.