

GLAZED ISO BALLS (GIB)–EXPANDED PERLITE- LIGHT WEIGHT INSULATION MATERIAL

GIB is a light weight material produced by us. The material is in the form of glass like bubbles. These are closed cell particles with good strength & very low water absorption properties. (Refer Picture).



Silicon Dioxide %	71 to 76.
Aluminum Oxide %	10 to 14.
Ferric Oxide % (max)	0.40.
Ferrous Oxide % (max)	0.50.
Calcium Oxide %	0.50.
Magnesium Oxide %	0.20.
Sodium Oxide %	3 to 4.
Potassium Oxide %	4 to 5.
Organic Matter %	Nil.

Sieve Size (mm)	% Weight Retained
1.18	00 - 15 %
0.60	40 - 95 %
0.30	75 - 99 %
0.15	80 - 100 %

Glazed Iso balls: Physical Properties	
Colour	White
Refractive Index	1.5
Free Moisture, Max.	0.5%
PH	6.5-7.5
Specific Gravity	0.32
Bulk Density	120-200 kg/m ³
Grain Size	0 – 2.5 mm
Softening Point	871-1093 °C
Fusion Point	1260-1343 °C
Specific Heat	837 J/ kg k
Thermal Conductivity At (24 °C)	0.04 -0.06 W/K.M